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Air Cushions
Burge, Warren & Ridgley, Le

Air Cushions
Burge, Warren & Ridgley, Ld.
Alkaloids
Burroughs Wellcome & Co.
Howards & Sons, Ltd.
Macfarlan, J. F.. & Co.
Beltmeyer Calburn & Kindersley, Ltd.
Bequee, Ferdinand
Salle, H., & Co.
Smith, T. & H., Ltd.
Almond Oil
Allen, Stafford, & Sons, Ltd.
Aluminium
Articles

Articles
Buncher & Haseler, Ltd.
Eley Bros., Ltd.
Venesta, Ld. Venesta, Id.

Ambulance Outfits
Burreughs Wellcome & Co.
Hall Forster & Co., Ltd.
Teegeod, William, Ltd.

American

Chemicals, &c. Huisking, Chas L. Mallinckrodt Chem. Works American

Proprietaries
American Drug Supply Ce.
Eoberts & Co.
Ammonia & Salts Brewn & Blackburn Brunner, Mond & Co., Ltd. Ampoule Files

Sim, Ltd.

Ampoules

Bresillon, M., & Co.
Lang, Jules, & Son
Maw, S., Son & Sons
Melin, C., & Co.
Opponheimer, Son, & Co., Ltd.

Ancesthetics Dnnean, Flockbart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Oo.
Saccharin Corporation, Ltd.
Smith, T. & H., Ltd.
Aniline Dyes
Crawhaw E. & Co.

Crawshaw, E., & Co. Lane-Hall, R., & Co.

Lane-Hall, R., & Ce.
Annatto
Pnllwood, R., J., & Bland
Hoyle, J. T., & Co.
Tominson & Hawward, Ltd.
Antiseptics
Bell (John), Hills & Lncas, Ld.
Celtol Snpy Agency
Eucryl Ltd.
Sanitas Co., Ltd.
Young, R. & Co., Ltd.
Artificial Liberts

oung, R. & Co. Ltd.
Artificial Limbs
erris, J. & E.
aywood, J. H., Ltd.
(aw S., Son & Sons
Aspirin Keene Laborat

Keene Laboratories

Asthma Remedies
Hair, B. W., & Son
Lotthouse & Saltmer, Ltd.
Potter & Clarke, Ltd.

Rottouse Clarke, Ltd.

Atropine
Roques, Ferdinand
Bacterial Vaccines
Burroughs Wellcome & Co.
Christy, Thos., & Co.
Evans Sons Lescher & Webb
Martindale, Wm.
Parke, Davis & Co.
Baking Specialities
British Wbeat Salts Co.

Baisama
Dodge & Oloott Co.

Bandage Winder
Wagner Bros.

Wagner Bros.
Barometers

Harometers
Darton, F., & Co.
Barrels
Venesta, Ltd.
Bath Cabinets
Riley Bros., Ltd.
Bath Gloves

Cuxson, Gerrard & Oo., Ltd. Solport Bros. Bed and Douche

Pans
Meinecke & Co.
Becswaz
Hayes & Finch. Ltd
Bichromates
White, John & James
BiologicalProducts
Otherty These & Co.

Siological Product:
Christy Tbos., & Co.

Bismuth Salts
Alliance Drug & Chem. Co.
Burgoyne, Burbldges & Co.
Howards & Sons. Ltd.
Lane-Hall, R., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, Alfred, & Sons
Bleeding Bowls
Meinecke & Co.

Bleeding Bowis
Meinecke & Co.
Blotting Paper
Ferd, T. B., Ltd.
Body Belts
Berton, Arthur. Ltd.
Maw, S., Soa & Sons
Schutze, F., & Co., Ltd.
Wood, Vincent

Books, &c.

Books, &c.
Cassell & Co.
Christy's "Monthly"
Churchill, J. & A.
Martindale's "Extra Pbarm"
"Spatula, The "Squire's "Companion"
Botanie Druggists
Brook, Parker & Co. Ltd.
Newball & Mason
Potter & Clarke, Ltd.

Bottles, Jars, &c.,
Glass
Barnett & Foster
Ferry, T., & Son, Ltd.
"Ideal" Bottle

Ferry, T. & Son, Ltd.

"Ideal" bottle
Isaacs, I & Co.
Lang, Jules, & Son
Maw, S., Son & Sens
Melin, C., & Co. | Orrocks, Ltd.
Swales, T. | Univ. Bottle Oe
Youldon, E., Ltd.

Bougies
Bresillon, M., & Co.

Bougies
Bresillon, M., & Co.

Ayrton, Saunders & Co., Ltd.
Estes, E. B., & Sons, Ltd.
Ford, Shapland & Co.
Globe Box Co.,
Koblinson & Sons, Ltd.
Stevenson, H., & Sons, Ltd.
Stevenson, H., & Sons, Ltd.
Stevenson, H., & Sons
Eromides
Greefi, R. W., & Co.
Boude, T., & Sons
Bidwell, Bidwell & Co., Ltd.
Hovenden, R., & Sons, Ltd.
Kent, G. B., & Sons, Ltd.
Mason Pearson Agency
Maw, S., Son & Sons
Titterton & Howard
Butter Colouring
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

Cachets
Cooper. Son & Co., Ltd.

Cachets
Cooper, Son & Co., Ltd.
Cachous
Crosse & Blackwell

Crosse & Blackwell

Cacodylates

Roques, Ferdinand

Calf Lymph

Heinemann, W.

Camphor

Alliance Drug & Chemical Co.

Howards & Sons, Ltd.

Caps for Bottles, & C.

Betts & Co., Ltd.

Caps for Bottles, & C.

Settles & Co., Ltd.

Caps for Bottles, & C.

Catel & Co., Ltd.

Caps for Bottles, & C.

Capsuled Pills McKesson & Robbins

McKesson & Robbins

Capsules (various)

BritishOrganotherapyCo.,Ld.

Denoual. Jules, & Co.

Dun, R. T.

Evans Sons Lescher & Webb

Ferber, R., & Co.,Ld.

Mawson & Co.

Stevenson, H. E., & Co.

Tye, John, & Son

Warrick Bros. Ltd.

Cantharidin Smitb, T. & H., Ltd. Carbon Tetrachloride Securitas Co., Ltd. Cartons

Globe Box Co.
Robinson & Sons, Ltd.
Suttley & Silverlock, Ltd.

Casein
British Casein Co. (1911), Ltd.
Cash Tills

National CashRegisterCo.Ld. Catheters
Goodrieb, B. F., Co.
Mason Bros. & Chapman
Warne, Wm., & Co., Ltd.
Caustic Soda
Brunner, Mond & Ce., Ltd.

Cellulose Acetate Cellonite Co., Dreyfus & Co. Kodak, Ltd.

Cements Kay Bros., Ltd.
Mendit. Ltd.
Chalk, Precipitated
Levermore, A., & Co., Ltd.
Mumford, G. S., & Sons
Nichols Chemical Co., Ltd.
Sturge, John & E., Ltd.

Chemical Plant
Blair, Campbell & McLean, Ld.
Forshaw, E., & Son, Ltd.

Blair Campbell & McLean, Ld.
Forshaw, E., & Son, Ltd.
Chemicals
Balss Bros. & Stevenson, Ltd.
Boake Roberts & Ce., Ltd.
Boehm, F., Ltd.
Boehm, F., Ltd.
British DrugHouses Ltd. The
Brunner, Mond & Co., Ltd.
Brunner, Wond & Co., Ltd.
Brunser, Wond & Co., Ltd.
Brunner, Wond & Co.
Garneyes & Co., Ltd.
Brunser, Wond & Co.
Mallinek & Sons, Ltd.
Lane-Hall, R., & Co.
Mallinekrodt Chem. Works
Martindale, W.
May & Baker, Ltd.
Reitmeyer Calburn & Kindersley, Ltd.
Saccharin Corporation, Ltd.
Scheller, Emil, & Co., A. G.
Southall Bros. & Barclay, Ltd.
Tyrer, T., & Co., Ltd.
Washington Chemical Co., Ld.
White, A., & Sons
Zimmermann, C., & Co.
Chloride of Lime
Prupper Mond & Co., Ltd.
Crunner Mond & Co., Ltd.
Charles Mond & Co., Ltd.
Crunner Mond & Co., Ltd.

Chloride of Lime

Brunner, Mond & Co., Ltd. Chlorodyne
Davenport, J. T., Ltd.
Freeman's Chlorodyne, Ltd

Chloroform
Burroughe Wellcome & Oo.
Duncan, Flockhart & Co.
Maclarian, J. F., & Oo.
May & Baker, Ltd.
Smith T. & H., Ltd.
Southall Bros. & Barclay, Ltd Cigars & Cigarettes Singleton & Cole, Ltd.

Citric Acid and

Citrates
BritishDrugHouses, Ltd., The
Burgoyne, Burbidges & Co.
Howards & Sons, Ltd.
Pelliot, Henri, & Cie
Sturge, John & E., Ltd. Clinical

Thermometers HIGHMOMETERS
BURG, WARTEN & RIGGLEY, Ld.
Bush, H. W., & Co., Ltd.
Hicks, James J.
Maw, S., Son & Sons
Perken, Son & Co., Ltd.
Pillischer, J.
Powell, J. T., & Co
Zeal, G. H.

Cloth Balls O'Neil, Zetts & Co. Senier, Alf., & Co.

Coal Tar Specialities
Wright, Layman & Umney, Ld.

Cocos Cadbury Bros., Ltd. Plasmon, Ltd.

Cocaine Roques, Ferdinand

Roques, Ferdinand

Cod Liver Oil

British Drug Houses, Ld., The
Bugge, Johan, & Co.

Evanssons Lescher& Webb, Ld

Jervell & Co. Ltd.

Soutball Bros. & Barclay, Ltd

Sparks, White & Co., Ltd.

Wrigbt, Layman & Umney, Ld

Collapsible Boxes Globe Box Co. Collapsible Tubes Betts & Co., Ltd. Brooks, Peel & Co Venesta, Ltd.

Combs Hovenden, R., & Sons, Ltd.

Condensers Bennett, Sons & Shears, Ltd Confectionery,

Medicated
Guest, Thos., & Co.
Pascall, James, Ltd.
Continental Props. American Drug Supply Co. Bresillon, M., & Co. Roberts & Co. Wilcox, Jozeau & Co.

Corks
Ardwick Cork Depot
Mitchell, N. W., & Sons, Ltd. Corn Planes
Barkham, F. C.
Boston, Walter

Corn Plasters, &c. Solport Bros.

Counter Adjuncts EvansSonsLescher&Webb,Ld

Counter Specialities
Alien & Hanburys, Ltd.
British Drug Houses, Ld., The
Burgoyne, Burbidges & Co.
Hewlett, C. J., & Sons, Ltd.
Soutball Bros. & Barclay, Ltd.
Wright, Layman & Umney, Ld. Counting and Filling Machine Forgrove Machinery Co.,Ltd. Court Plaster

Solport Bros.

Cream of Tartar Pelliot, Henri, & Cie

Creosote Baiss Bros. & Stevenson, Ltd Crepe Bandaces Burge, Warren&Ridgley,Ltd. Gimber, W., & Son NorwichCrepe Co. (1856), Ltd. Wood, Vincent

Cyanides May & Baker, Ltd.

Dairy Specialities Fullwood, R. J., & Bland Oldfield, Pattinson & Co. Tomlinson & Hayward, Ltd.

Dental Mechanics

Fentiman, A. G. Fentiman, A. J., & Co. Halder, E. C. Wardale & Co.

Wardale & Co.

Dentifries

Beecbam, T.
Bell (John), Hills & Lncas, Id.
Berton, Arthur, Ltd.
Blackie, Robert
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd
Eucryl, Ltd.
McKesson & Robbins
Maw, S., Son & Sons
Odol Chemical Works
Parke, Davis & Co.
Sangers
Standard Tablet & Pill Co., Ld.
Woolley, J., Sons & Co., Ltd.

Developers (Photo.) Evans Sons Lescher & Webb Express Developing Co.

Destrin Fink, F., & Co. Diabetic Foods Van Abbott, G., & Sens,

Diamidophenol reeff, R. W., & Co.

Digestive Products Armour & Co., Ltd. Fairchild Bros. & Foster

Disinfectants
Balss Bros. & Stevenson, Ltd
Burgoyne, Burbidges & Co.
Burt, Boulton & Haywood, Ld
Oook, E., & Co., Ltd.
Harker, Stagg & Morgan, Ltd.
Je, es' Sanitary Compds. Ltd
retchwald, A., Ltd.
Sanitas Co., Ltd.
Sanitas Oo., Ltd.
Standardised Disinfectants
Co., Ltd.
Stevenson, H. E., & Co.
Willows, Francis, B. & T., Ltd.
Wrigbt, Laymana Umney, Ld. Disinfectants

Douches, Rubber Goodrich, B. F., Co.

Druggists'Sundries
Ayrton, Saunders & Co., Ltd.
Balss Bros. & Stevenson, Ltd.
Berton, Arthur, Ltd.
Berton, Arthur, Ltd.
Brytstele Manfg. Co.
Burge, Warren & Ridglsy, Ld.
Burgoyne, Burbidges & Co.
Bush, H. W., & Co., Ltd.
Edwards, W., & Son
EvansSons. Lescher & Wshb, Ld
Hovenden, R., & Sons, Ltd.
Longcroft, H. M.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Revolt, F., & Sons, Ltd.
Co., Ldd.
Co., Ldd.
Co., Ldd.
Co., Ldd.
Solport Bros.
Southall Bros. & Barolay, Ltd
Swales, Thomas
Toogood, W., Ltd.
Woolley, J., Sons & Co., Ltd.
Woolley, J., Sons & Co., Ltd. Druggists'Sundries

Drugs, Crude
Burkett, Sharp & Co.
Gathergood's Exor.
Goodall, Backhouse & Co. Lambert, Saml., & Co. Penick, S. B., & Co. Potter & Clarke, Ltd. Raimes & Co.

Raimes & Co.

Eau de Cologne
Bronniey, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, Thos., & Co.
Erasmic Co., Ltd.
Lescol Perfumery Co.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Sangers'
Sohutze, F., & Co., Ltd.
Vinolia Co., Ltd.

Vinolia Co., Ltd

Eau de Cologne
(solid)
Demuth' Laboratories
Educational

Educational
Institutions
Bath&WestotEnglandCollege
Birmingham and Midland
College
British Optical Institute
College of Preceptors
Edva College
Liverpool School of Pharmacy
London College of Pbarmacy
RorthernCollegeof Pharmacy
Bothool of Pharmacy
Sonth of England College
Westminster College
Efferyescent

Effervescent Preparations
Allen & Hanburys, Ltd.
EvansSonsLescher & Webb, Ld.
Elastic Gum Insts.

Eliastic Gum Insts.
Mason Bros. & Chapman
Elastic Hosiery
Ayrton, Saunders & Co., Ltd.
Bailey, W. H., & Son
Burge, Warren & Ridgley, Ld.
Hagwood, J. H., Ltd.
Maw, S., Son
Wood, Vincent

Elect. Novelties
Ward & Goldstone
Wright, Arcbd. J., Ltd.

Electroplated Toilet Goods Scott, Adolph Bmery and Cioth Oakey, J., & Sons, Ltd.

Emetine Salts Maofarlan, J. F., & Co. Whiffen & Sons, Ltd Emaistfiers

Bennett, Sons & Shears, Ltd. Wilkinson, S. W., & Co.

Bmaisions, C.L.O.,

Arton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Browning, Wm., & Co.
Cppal, Ltd.
Faulding, F. H., & Co.
Parke, Davis & Co.
Soott & Bowne, Ltd.
Stevenson, H. E., & Co.
Wyleys, Ltd.

Enamelled Hos pital Requisites Orme, Evans & Co., Ltd.

Endolytic Tubes
Fletcher & Co., Ltd.
Enemas

Burge, Warren & Ridgley, Ltd. Ingram, J. G., & Son Maw, S., Son & Sons Warne, W., & Co., Ltd.

Epsom Saits Blythe, Wm., & Co., Ltd. Howards & Sons, Ltd. May & Baker, Ltd.

Essences,

Essences,
Sol. and Freit
Alliance Drug & Chem.
Barnett & Foster
Boake Koherts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Esence Co.
Stsvenson & Howell, Ltd

Ethers Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Maofarlan, J. F., & Co.
May & Baker, Ltd.
Fyrer, T., & Co., Ltd.
White, A., & Sons Eucalyptus Oil British Drug Honses, Ltd., The Stevenson, H. E., & Co. Tasmanian Eucalyptus Oil Co.

Evaporators Forshaw, E., & Son, Ltd. Extract of Herbs Newball & Mason Potter & Clarke, Ltd.

Extracts EXUTACES
(Medicinal)
Allen, Stafford, & Sons, Ltd.
Burroughs Wellcome & Co.
EvansSons Lescher& Webh, Ld.
Gathergood's Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W. & Son, Ltd.

Factory, &c., Sites Great Western Railway

Feeding Bottles
Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.

Filling Machines
Forgrove Machinery Co., Ltd.
Jackson, J. G., Ltd.
Roberts Pat.Filling Mach Co.

Filter Papers Ford, T. B., Ltd.

Filters BritishPasteur-Chamberland Filter Co. Fulham Pottery & Cheavin Filter Co., Ltd. Finger Stalls

Flycatchers Fly catchers
Alabastine Co. (British) Ltd.
Pord, Shapland & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Strong, Christy

Smith, Jno. H., & Co.
Strong, Christy
Foods, Invalid, &c.
Allen & Hanburys, Ltd.
Bell (John), Hills & Lucas, Ltd.
Bell (John), Hills & Lucas, Ltd.
Bell (Gonn), Hills & Lucas, Ltd.
Berner's Food, Ltd.
Brand & Co., Ltd.
British Casein Co. (1911), Ltd.
British Casein Co. (1911), Ltd.
British Gasein Co., Ltd.
Christish Milk Products Co., Ld
Colman, J. & J., Ltd.
Ld Leans, Logan & Co., Ltd.
Fairchild Bros, & Foster
Frame Food Co.
Harker, Stagg & Morgan, Ltd
Horlick's Malted Milk Co.
Lorimer, John
Lotthouss & Saltmer, Ltd.
Natural Food Co., Ltd.
Plasmon, Ltd.
Plasmon, Ltd.
Reade Bros, & Co., Ltd.
Sister Lauras Infant Food Co.
Southall Bros, & Barclay, Ltd
Wander, A., Ltd.
Wolley, Jas., Sons & Co., Ltd.
Wollows, Francis, B. & T., Ltd.
Wolley, Jas., Sons & Co., Ltd.

Foot Appliances Scholl Mnfg. Co., Ltd.

Fountain Pens Sloan, L. G.

Fruit Drink McGlashan, D.

Fuller's Earth Mnmford, G. S., & Sons

Fumigators Sanitas Co., Ltd. Gallie Acid Mallinckrodt Chem. Works

Gauzes Bailey, R., & Son

Glassware, Chemical Lang, Jules, & Son

Glycerin Price's Patent Candls Co.,Ltd.

Glycerophosphates

Monsanto Chemical Works Reitmeyer Calburn & Kin-dersley, Ltd. Grease Paints

Hovenden, R. & Sons Ltd. Osborne, Garrett & Co. Queloh, Henry C., & Co.

Grease Remover Perkin & Co., Ltd.

Grinders, Drug, &c. Allen, Stafford, & Sons, Ltd. Goodall, Backhouse, & Co. Willows, Francis, B. & T., Ltd.

Gripe Water Woodward, W., Ltd.

Gums Flnk, F., & Co. Kidston, W. M., & Co. Lambert Saml., & Co.

Hair Dyes Harker, C.R., Stagg & Morgan Blackie, Robert

Hair Preparations
Alexandre, L.
Anzora Perfumery Co.
Blackie, Rehert
Edwards' "Harlens' Co.
Oshorne, Garrett & Ce.
Sangare Sangers Tokalon Ltd.

Hand Carts, Trucks, &c. Crewe & Co.

Hat Cleaners Milner's Chemical Co., Ltd. Senier, Alf., & Co., Hat Dyes

Whitaker & Co.

Herbs
Potter & Clarke, Ltd.
Salle, H., & Co. Hexamethylen. tetramine Reitmeyer Calburn & Kin-dersley, Ltd.

Homoeopathic Medicines Ashton & Parsons, Ltd. Keene & Ashwell, Ltd. Leath & Ross

Honey Western Honey

Horse Remedies Harvey & Co. (Dublin), Ltd. Hospital Furniture Gray & Selby

Hospital Ware (Semi-porcelain) Meinecke & Co.

Hot Air Douches Ward & Goldston

Hotels
Kingsley Hotel
Thackeray Hotel Thackeray Hotel

Rot Water Bottles

Bailey, W. H., & Son

Berton, Arthur, Ltd.

Burge, Warren, & Ridgley, Ltd.

Goodrich, B. F., C.

Goodrich, J. G., & Son

Maw, S., Son & Sons

Schutze, F., & Co., Ltd.

Tocgood, William, Ltd.

Warne, Wm., & Co., Ltd.

Wood, Vincent Hot WaterBottle

Stoppers Rowe, T. Wilfrid Hydrogen Peroxide May & Baker, Ltd. Sanitas Co., Ltd. Tyrer, T., & Co. Ltd.

Hypophosphites May & Baker, Ltd Tyrer, T., & Co., Ltd. Ink, Dichroic Bewley & Draper, Ltd.

Insecticides

Christy, T., & Co. Cook, E., & Co., Ltd. Insect Powder Keating, Thoma Potter & Clarke, Ltd. Raimes & Co.

Tyrer, T., & Co., Ltd.

Japanese White

Earth Smith, P. L.

Junket Powder Armour & Co., Ltd.

Lanolines
Christy, T., & Co.
Hillcrest Oil Co., Ltd.
Howard Lloyd & Co., Ltd.

Ewen, J., & Sons

Lavender Oil

Allen, Stafford, & Sons, Ltd. Guillevic, E., & Co. Ransom, W., & Son, Ltd.

Lavender Water Bush, W. J., & Co., Ltd. Leeches
Allen & Hanburys, Ltd.

Ligatures Seabury & Johnson

Lime Juice and Cordial
EvansSons Lescher & Webb, Ld
Idris & Co., Ltd.

Linseed, Crushed Mumford, G.S., & Sons

Lints
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd. Liquorice Juice

Boehm, F., Ltd. Jackson. Ernest. & Co. Linton, Hubbard & Andrew Solazzi Liquors, Conc.

Liquors, Conc.
Fletcher, Fletcher & Co.
Lithia Salts
British Drug Houses, Ld., The
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.

May & Baker, Ltd.

Loofabs

Hall Forster & Co., Ltd.
Internl. Sponge importers, Ld
Solport Bros.

Lozenges

Crosse & Blackwell
Denoual, Julies, & Co.
Guest, Thos., & Co.
Jackson, Ernest, & Co.
Potter & Clarks, Ltd.
Raimes & Co.

Raimes & Co. Warrick Bros., Ltd.

Lysols
Aerators, Ltd.
Burt, Boulton & Haywood, Ld
EvansSons Lesoher & Webb, Ld
Lorimer, John
Zimmermann, C.& Co (Chemicals), Ltd.

cals), Ltd.

Machinery,
Pharmacal
Allen & Hanourys, Ltd.
Beair, Campbell & McLean, Ltd.
Brig, Campbell & McLean, Ltd.
Griffin, John J., & Sons, Ltd.
Gardner, Wm, & Sons, Ltd.
Jackson, J. G., Ltd.
Pindar, J. W., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper, Ltd.
Wilkinson, S. W., & Co.

Magnesia and

Props.

Henry, T. & W.
Howards & Sons, Ltd.
International Chem. Co., Ld.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ld.

Malt Extract and Preps.
Allen & Hanburys, Ltd.

Allen & Hanburys, Ltd.
Blackie, Robert.
British Drug Houses, Ld., The
Burroughs Welleome & Co.
Caider, James, & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Davies, Sons & Co.
EvansSons Lescber & Webb, Ld
Fletcher, Fletcher & Co., Ltd.
May, Roberts & Co., Ltd.
Pascall, James, Ltd.
Wyleys, Ltd.

Marking Ink John Bond ('Crystal Palace') Measures

Graduated Bush, H. W., & Co., Ltd. Meat Extracts

Armour & Co., Ltd.
Brand & Co., Ltd.
Tooth's Extraot of Meat Co.

Medical Coils Ward & Goldstone

Mercurials Hacreufflas Alliance Drug & Chemical Co. Howards & Sons, Ltd. May & Baker, Ltd. Tyrer, T., & Co., Ltd.

Metal Clips Griffin, John J., & Sons, Ltd. Methylarsenates Roques, Ferdinand

Methylated Spirit Mathylated Spirit Burrough, J., Ltd. Preston's Liverpool Distillery Randall & Son, Ltd. [Co.,Ld. Riddell & Smith Thornley, Samuel, Ltd.

Mineral Waters
Apollinaris & Johannis, Ltd.
Camwal, Ltd.
Idris & Co., Ltd.
Ingram & Royle, Ltd.
Norske Mineralkilder

Mixers and Sifters Gardner Wm & Sons(Glos) Ld

Motor Goggles Darton, F., & Co

Naphthalene Burt, Boulton & Haywood, Ld

Night Lights Price's Patent Candle Co., Ld.

Oils, Essential
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Cbemical Co.
Barrett, Arthur A.
Boake Roberts & Co., Ltd.
Boehm, F., Ltd.
Boehm, F., Ltd.
Boehm, F., Ltd.
Boehm, F., Ltd.
Bonaventura, F., & Co.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
EvansSons Lescher& Webb, Ld
Guillevic, E., & Co.
Lamebert, Samil, & Co.
Lame-Hall, R., & Co.
London Essence Co.
Magnus, Mahee& Reynard Inc.
Nach M., & Co.
London Essence Co.
Wagnus, Mahee& Reynard Inc.
Nach M., & Co.
London Essence Co.
Wagnus, Mahee& Reynard Inc.
Nach M., & Co.
London Essence Co.
Wagnus, Mahee& Reynard Inc.
Nach M., & Co.
London Essence Co.
Wagnus, Mahee& Reynard Inc.
Nach M., & Co.
London Essence Co.
Wagnus, Mahee& Reynard Inc.
Nach M., & Co.
London Essence Co.
Lamerman C., & Co.
Winght, Layman& Umney, Ld.
Zimmermann C., & Co., Ltd.
Oils, Mineral, Oils, Essential

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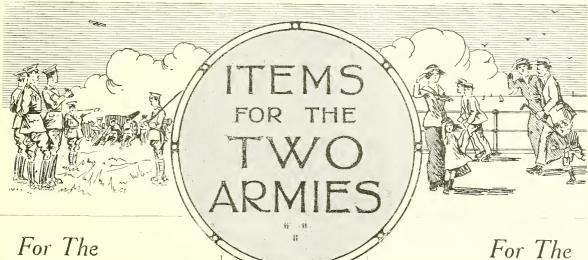
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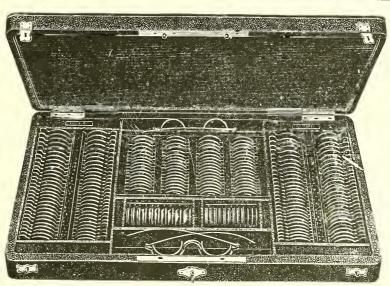
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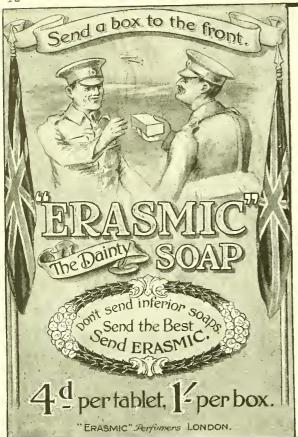
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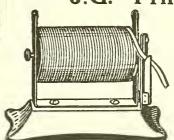
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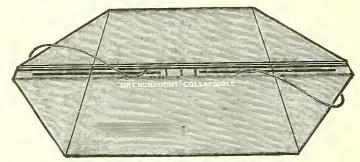
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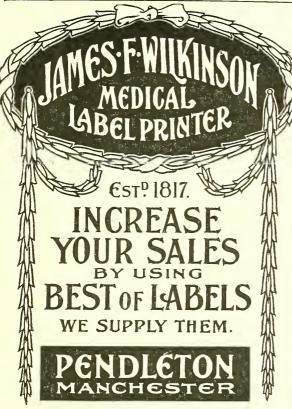
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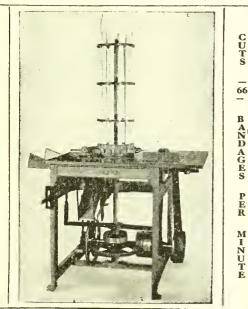
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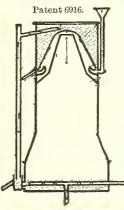
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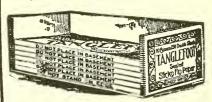
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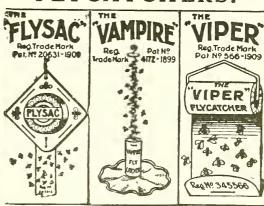
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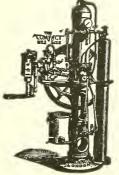
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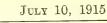


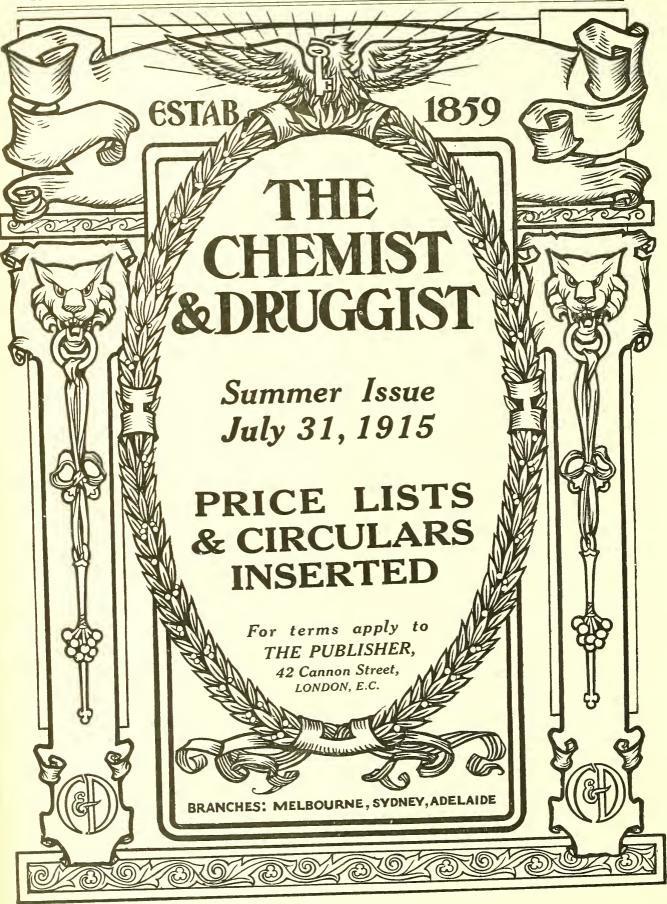
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INDEX & BUYERS' GUIDE

See pages 5 to 7.

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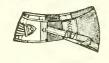
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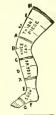


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Summary.

Take care of a man who says your shop is on fire. See p. 58.

Professor Eykman, who modernised the assay of spt. æther. nit., is dead (p. 40).

Cod-liver oil makers in Norway are combining, but the "ring" is incomplete (p. 46).

How can chemists help? is a question put by a correspondent as to chemists' work in war-time (p. 57).

Our export and import trade is improving in the matter of values, as explained in an Editorial Note on p. 47.

Several Notes on the War Loan are printed on the next The 5s. vouchers may be bought and sold by page. any shopkeeper.

Mr. S. R. Atkins retired from business last month. Exactly fifty years ago he had a fire in his pharmacy warehouse (p. 58).

A Glasgow doctor has written to a local paper in terms that are not complimentary to panel chemists, and they have vigorously replied (p. 52).

The P.A.T.A. and C.D.A. annual meetings held on Thursday are reported in the Coloured Supplement, as is also Thursday's hearing in the blackmail charge.

Mr. Bridgeman is trying his best to square the official opponents of his hospital-spirits clause of the Finance Bill (p. 48). We again warn chemists that it vill be bad for (p. 48). We again them if he succeeds.

A fair volume of business is passing in chemicals and drugs, with prices as a rule favouring sellers. Cod-liver oil has had a sudden and violent advance as a result of the combination in Norway. Mercury has further advanced, and the prices of mercurials, since June 1, are now 1s. $4\frac{1}{2}d$. dearer. Tinnevelly senna, honey, and sarsaparilla met with a good demand in auction. Hydroquinone is firmer, and phenazone easier (p. 53).

European War.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—Cicero. FORTY-SECOND LIST.

ARTHUR, W. BENNETT (late apprentice with Mr. G. Clarkson Harker, chemist, Barnard Castle), R.A.M.C. FINLEY, VINCENT (lately with Mr. Fred. Sencicle, chemist,

Hinley, Vincent (lately with Mr. Fred. Sencicle, chemist, Middleton), 6th Batt. Lancashire Fusiliers.

Healey, H. R. (Secretary of the Rexean Co., Levenshulme, Manchester), R.A.M.C.

Johnston, W. C. (lately apprentice with Mr. W. W. Brown, chemist and druggist, Haymarket Terrace, Edinburgh), 2/3rd Lowland Field Ambulance, R.A.M.C. (T.).

Kernick, Battery Sergeant-Major George P. (son of Mr. R. P. Kernick, Directory and Secretary of Kernick & Son

R. P. Kernick, Director and Secretary of Kernick & Son, manufacturing chemists, Cardiff), Royal Field Artillery (now stationed at Bedford).

We note from "The Roll Call" of the "Square Chronicle" for June the names of the following who have not

already been mentioned in our Roll:
CROSBY, Sergeaut T. W., Ph.C., R.A.M.C.
HILLS, Lieutenant J. Stuart, Ph.C., Armoured Car
Division, R.N.V.R. Lieutenant Hills is somewhere on the East Coast instructing petty officers in gunnery. He served in the H.A.C. during the Boer War.

Jones, J. W. Foulkes, Ph.C.

Righton, Second-Lieutenant J. H., chemist and druggist,

East Lancashire Brigade, R.F.A.
WORTH, W. H. THORNE, Ph.C., H.A.C.
The following members of the school and staff have ob-

tained commissions from the school contingent of the O.T.C.:

COLLEN, F. D., Ph.C., Notts and Derby Regiment. GASSON, W. H., chemist and druggist, Notts and Derby Regiment.

Gaulter, C. P., King's Own Liverpool Regiment, Service

JINKS, J. C., Ph.C., 9th (Service) Batt. Shropshire Light Infantry.

Mr. C. H. Hampshire, Ph.C., B.Sc. (Lond.), F.I.C., has been discharged from the Honourable Artillery Company as unfit for further service on account of the injury to his leg received soon after mobilisation.

Notices as to Exports of Chemicals, etc.

ITALY.—The following products have been made absolute contraband of war: Ammonia and its salts, ammonia liquor, urea, aniline and its compounds, copper iodide, nitric acid, sulphuric acid, glycerin, acetone, calcium acetate and all other metallic acetates, sulphur, potassium nitrate, the fractions of the distillation-products of coal-tar between benzol and cresol inclusive, aniline, methylaniline, ammonium perchlorate, ammonium nitrate, cyanamide, potassium chlorate, calcium nitrate, mcrcury, resinous products, camphor, turpentine (oil and spirit), antimony, compounds, castor oil, paraffin wax, tin salts, etc.

The Origin of Imports.

The High Commissioners for the Commonwealth of Australia, the Union of South Africa, and the Dominion of New Zealand notify that, in respect of goods imported into the United Kingdom from Holland, Denmark, Sweden, Norway, Switzerland, and Italy, and subsequently re-exported to the Dominions, consignees will be called upon by the Customs authorities at the ports of destination in such Dominions to produce an official copy of the "Specification for Foreign and Colonial Merchandise" (Form 30), or "The Shipping Bill" (Form 64), as the case may be, which is required to be lodged with the British Customs in connection with the reasyportation of such goods from the connection with the re-exportation of such goods from the United Kingdom. A copy of this "Specification" or "Shipping Bill" will be stamped and signed by Customs officers in the United Kingdom, provided it is presented at the same time as the original on and after July 7 next. Full particulars may be obtained from the offices of the respective High Commissioners in London.

Belgian Doctors' and Pharmacists' Relief Fund.

The following subscriptions have been received from pharmacists this week: Australasian Pharmaceutical Conference, per Agent-General for Queensland: Western Australia, 40l.; Queensland, 60l.; Victoria, 23l.; collected from the members of the Sunderland Pharmaceutical Association, 9t.; Oldham Pharmaceutical Association, 5t. Subscriptions may be sent to Mr. W. J. Uglow Woolcock, 17 Bloomsbury Square, London, W.C.

A Pharmaeists' Ambulanee Section.

Writing in regard to our editorial on "Commissions for Army Pharmacists" (C. & D., June 26, p. 54), Mr. G. J. Lusher-Pentncy, 98 Queen's Road, Dalston, N.E., says that pharmacists in the North-East district of London, in order to prove themselves efficient in Army work and thus gain proper recognition by the military authorities, have formed an ambulance section entirely made up of pharmacists. It is attached to the Hackney Volunteer Corps. All equipment, such as stretchers, dressings, etc., has been provided by the pharmacists and their business friends. After some months' training in company drill, which was interesting and certainly brought with it a knowledge of discipline, the medical officer, Dr. Leslie Durns, gave a course of lectures on Sunday afternoons on anatomy, circulation, and first aid to the injured, which were much appreciated by all and enabled the section to be examined by the St. John Ambulanee doetor, with the result that all the members succeeded in obtaining the St. John's certificate. The members are now eonsidering further activities, acquiring knowledge in bacteriology, etc.; at any rate, they are able to render first aid to the public with much more assurance than heretofore. "It is a fine thing," says Mr. Pentney, "to be able to mix with brother pharmaeists and know one another better; sharp corners are knocked off and the feeling of brotherhood becomes more accentuated each time meet on the drill-ground." Another section is now being formed, and any pharmacist who would like to become competent to take up military duties should the necessity arise is requested to write to Mr. W. A. Scott, chemist and druggist, 57 Lower Clapton Road, N., or to Mr. G. J. Lusher-Pentney at the above address.

German Dye-makers.

Swiss dye-manufacturers are having pressure brought to bear upon them by German dye-manufacturers with the object of getting them to stop making and supplying this country with dyes hitherto supplied by Germany. The German manufacturers have told the Swiss users: "We shall, to our great regret, not be in a position to execute further deliveries of dyes until we are offered absolute guarantees against a direct or indirect export of colours from Switzerland to our enemies. This refers also to all chemical products which are in any way used for the manufacture of colours. We hope that suitable measures will be taken against the Swiss dye-manufacturers, so that we may also contribute to cover the requirements of the Swiss consumers of dyes." This is stated in a circular signed by the following firms:

Aktien-Gesellschaft für Anilin-Fabrikation, Berlin.
Bädische Anilin und Soda Fabrik, Ludwigshafen.
Leopold Cassella & Co., G.m.b.H., Frankfort.
Chemikalienwerk Griesheim, Griesheim am Main.
Chemische Fabrik Griesheim-Elektron, Frankfort.
Chemische Fabriken vorm. Weiler-ter Meer, Uerdingen.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen.
Farbwerk Mühlheim vorm. A. Leonhardt & Co., Mühleim

Farbwerke vorm. Meister, Lucius & Brüning, Höchst. Carl Jäger, G.m.b.H., Düsseldorf. Kalle & Co., Aktiengesellsehaft, Biebrich am Rhein.

Wülfing, Dahl & Co., A.-G., Barmen. It will be noted that many of these are makers of synthetic remedies and other medicinal products.

Personalia.

Major R. Bickerdike, East Lancashire Territorial Artillery, has been recalled from service by the War Office to take charge of his father's elicinical-factory at Church.

CAPTAIN DONALD WHITELEY FIGG, of the Queen's, who has been awarded the D.S.O. for conspicuous gallantry at Givenchy in May, is well known in Mincing Lane. At the outbreak of the war he was with J. H. Vavasseur & Co., East India merchants. The congratulations of his friends in Mincing Lane were expressed at the opening of the Indian tea-sale on July 5, and were acknowledged by his father, Mr. William Figg, of W. J. & H. Thompson.

Miscellaneous.

The Board of Trade, under the provisions of the Patents, Designs, and Trade-marks (Temporary Rules) Acts, 1914, have granted a licence to Levinstein, Ltd., to use dye patents Nos. 18,569/02 and 26,132/02, belonging to the Farbenfabriken vormals F. Bayer & Co., Elberfeld.

War Loan as a Side-line.—The National Chamber of Trade (President, Mr. R. C. Walshaw) reports in connection with the War Loan that an announcement appeared in various

journals to the effect that five-shilling vouchers could be obtained from the Post Office, Friendly Societies, and Co-operative Stores. This seemed to the Chamber to be a gratuitous advertisement to the stores; so the Secretary wrote to the Chancellor of the Exchequer about the matter, and he replied to the effect that members of the Chamber may purchase these vouchers and advertise the fact that they have them on sale; in fact, any shopkeeper may do this. Moreover, any unsold vouchers may be returned at any time up to the first working day of the following month and exchanged for cash or new vouchers on demand.—"A Country Pharmacist," writing to the "Times," states that he would be glad to have the balance of his account for National Insurance dispensing exchanged for a corresponding amount of stock in the new War Loan.

War Loan.—Edward Cook & Co., Ltd., Bow, London, E, are encouraging their employés to invest in the War Loan. A patriotic appeal has been made to them by circular-letter, and, with the object of giving the scheme a good send-off, the company have offered 4,000 5s. vouchers at 4s. 6d. each. Very satisfactory results have already been obtained. Over 100 employés are serving with the Colours, and the offer includes their wives.—The directors of Mellin's Food, Ltd., have decided to offer every employé 5s. National War Loan Certificates at 4s. each—at the rate of not more than 1 per cent. to each person—from now until December 1.—Boots Cash Chemists, Ltd., are purchasing 100,000l. of War Loan, and are offering 40,000l. of this amount to their insured employés. The terms of the offer are that deposits up to 2s. may be made each week at 5 per cent., and that when the sums amount to 5l. War Loan bonds will be given to tho subscriber. Sir Jesse Boot will make provision that 5 per cent. will be received upon the bonds instead of the 4½ per cent offered by the Government.

THE UNSPEAKABLE TURK knows a good thing when he sees it, and Potter & Clarke, Ltd., Artillery Lane, London, E., have just had proof that he seizes it. They received from Sergeant J. Munro, one of the Australian division who is now in the General Hospital, Alexandria, a eake of Potter's marshmallow toilet-soap with the following letter:

"You will be a little surprised to get this letter and wrapper from me. Well, I got this eake of soap out of a Turk's haversack. I expect you have read all about us foreing a landing on to the Dardanelles. I was one of the first to land. I got shot through the foot on landing, and was sitting down waiting to be taken back to the ship, when about twenty yards off I heard a Mauser rifle go off and one of the wounded got shot through the head. I was looking to see where the shot came from, when all at once a big Turk, about 6 ft. 3 in., came running down to us, but before he came far I shot him through the ehest. I crawled up to him and put another three shots into him; then I took his haversack and brought it on board with me, and the first thing I fetched out was a eake of soap with your wrapper on it so I am sending it back to you."

me, and the first thing I tetched out was a eake of soap with your wrapper on it, so I am sending it back to you."

The puzzle is where the Turk got the soap, and, in reply to our questions about the matter, Messrs. Potter & Clarke say: There are three possible explanations of the soap getting into the Turk's possession: (1) It may have been purehased by an English Territorial and taken from him by the Turk; (2) it may have been brought out from Australia where they export this soap; or (3) it might have been in some bags of necessaries which were made under the supervision of Mrs. R. C. Wren at Westeliff for the Red Cross hospitals. The soap has an attractive wrapper printed in red and gold, and the cake is oval, green in colour, and very fragrant; in fact, tempting enough to eat. Perhaps the Turk expected to make a meal of it.

PROFESSIONAL CHEMISTS AND THE WAR.—The President of the Chemical Society (Dr. A. Scott, F.R.S.) has issued to the Fellows a eireular asking what they can do to help the eountry in the present erisis. In pursuance of the assurance given to the President of the Board of Trade, the Council of the Society has constituted itself a consultative body which will meet at frequent intervals to consider, organise, and utilise all suggestions and inventions which may be eommunicated to it and will report on the same to the proper authorities. Much can be done in this way to Much can be done in this way to rclieve the overwrought Government departments of work which would probably appear less complex to such Committees of chemical experts. The Council invite the Fellows of their own and kindred societies to forward in strict confidence suggestions and inventions for its careful confidence. sideration. However trivial some of these suggestions may appear if taken alone, it is always possible that when brought into correlation with others they may lead to results of great value, and it is this process of correlation which the Council has in view.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

British Pharmaceutical Conference.

It has already been announced that the annual meeting of the Conference will be held in London on Wednesday, July 14. The meeting will be held in the Lecture Theatre at 17 Bloomsbury Square, London, W.C., at 11 A.M., and Major E. Saville Peck, M.A., Ph.C., will preside. The Executive Committee sincerely hope that as many members as possible will endeavour to be present and assist the work of the Conference. They wish to remind members that a luncheon will be held immediately after the meeting at the Holborn Restaurant, and in order to facilitate the arrangements, the Honorary Secretaries will be glad if members and delegates who are attending the meeting, and have not already asked for seats to be reserved, will send their names as soon as possible.

Birmingham.

Colonel Wyley, V.D., F.C.S., Deputy Provincial Grand Master of Warwickshire Masons, assisted at the laying of the foundation-stone of a new church in Edgbaston last Saturday.

The all-round increase of train fares in Birmingham is expected to have the effect of increasing suburban trade, for in most cases a shopping journey to the centre of the city will add 5d. to the purchases of each person. Verb. sap. sat.

The Birmingham Infirmary has been converted into a military hospital, and this has increased the duties and responsibilities of the dispenser of that institution—Mr. Herbert Eley—who for many years was assistant with Messrs. Arblaster & Churchill.

Mr. Alexander M. Chance, of Chance & Hunt, chemical-manufacturers, Oldbury, on behalf of the subscribers, has presented to the Birmingham City Council 33,611 square yards of land adjoining Warley Park. Mr. Chance has been instrumental in obtaining promises from citizens, firms, and other bodies of a sum of 5,502l. for the purchase of the land, which was to have been built upon, and would have encroached on the amenities of the park. The gift was gratefully accepted, and the suggestion was made that Mr. Chance's name should be perpetuated in connection with the new piece of woodland.

The death of O'Donovan Rossa recalls his connection with the Birmingham dynamite-factory in Ledsam Street, which was seized on April 5, 1883, when a man named Alfred Whitehead was caught making large quantities of nitroglycerin. The discovery was due to a chemist's assistant (Mr. Gilbert Pritchard), who informed Detective-Sergeant Price of his suspicions. Price was himself a chemist of no mean order. Abnormal quantities of chemicals had been purchased, and the shop was insignificant. Price recognised that the materials bought formed the chief components of nitroglycerin. Whitehead was sent to penal servitude for life.

Liverpool.

A younger brother of Mr. H. Humphreys Jones, F.C.S., has just obtained the B.D. degree at the University of Wales.

Mr. T. H. Swinton, chemist, Bootle, whose shop is near the borough baths, displays the "Chanswim" buoy and bath-caps. The baths, which serve Bootle, Waterloo, Seaforth, Litherland, and Great Crosby, are much patronised by schools and the military.

A serious fire broke out during the night of July 8 on the north side of the West Float, Birkenhead, in the Dock Company's sheds, where large quantities of nitrate of soda was stored. It took the Birkenhead and Wallasey fire-brigade many hours to obtain mastery of the fire, and some of the firemen were seriously affected by the nitrous fumes evolved. The damage runs into many thousands of pounds.

Mr. Harold Wyatt, of the Merton Pharmacy, Bootle, is practically supporting the early-closing movement for the trade in that borough. He finds that the early closing

by neighbouring tradesmen, coupled with the tendency to devote the evenings to drill or to the making of munitions, leaves him few customers in the evenings. Accordingly, as he does no National Insurance dispensing, he is closing in advance of the trade hours on the five days other than the half-holiday. Mr. Wyatt, who speaks French and Spanish fluently, has a considerable business among officers and crews of the foreign liners entering the north docks of the Mersey.

Mr. W. Ashworth, chemist, Seaforth, has a considerable show of lawn and flower seeds in handy packets—good lines in a suburban district where seedsmen are not prominent. Lemonade-powder surrounds an enormous artificial lemon. Another window is devoted to life-tonic, influenza-mixture, and sulphur-tablets exposed in large boxes. Mr. Rutter, chemist, also of the main road in Seaforth, displays a mirror with the invitation, "Look in this mirror and see if your teeth are white. 'Zepto' whitens teeth in 30 secs.' Mr. G. Inman, chemist, Dale Street, Liverpool, gives much window-space to Hygeia salt, bismuthated-magnesia tablets, and "Formalins as a substitute for the German formamint." R. & J. Herman, chemists, display "All British Pharmacies" prominently in their Elliot Street branch, together with shaving-requisites, announcing themselves as a "British firm, with British capital, British goods, and British assistants."

British capital, British goods, and British assistants."

Chemists of Liverpool and the district have adopted an unwritten resolution to facilitate each other's business, in order, as far as practicable, to neutralise the effects of the war. This arrangement led last Saturday to a comedy of errors. A wholesale firm delivered a large package of carbon bisulphide to a central chemist, who took it in, "to be called for" by a Southport chemist, whose proposed mode of conveyance was a motor-car. Soon after the package had been deposited behind the shop-door a leak was perceptible. The chemist's pet aversion is the odour of carbon bisulphide, and this was shared by all his numerous customers, including many ladies for perfumery, as well as the tenants on either side, and by the police-constable on the beat, to whom the passers-by complained of what they took to be a defective drain or an When five odorous hours had undiscovered tragedy. passed, and no one could be found to house the offending package, the half-suffocated and apologetic chemist had to walk the street, keeping an eye on the shop. Another hour of misery passed, then a carter arrived with an account of the breakdown of the motor-car. With many suspicious sniffs on the part of his horse, the carter loaded up and headed towards Southport, where he is assumed to have arrived safely. People have since been calling daily on the long-suffering chemist, asking him to refrain from trying in the city what they thought to be experiments with the preparation of a noxious vapour for national defence.

Newcastle-on-Tyne.

The annual report of the Royal Victoria Infirmary indicates that during the past year forty cases of poisoning were admitted to the institution, and three of the victims died, the poisons implicated being carbolic acid (two cases) and hydrochloric acid (one case). The director of the laboratory (Dr. H. J. Slade) reports that during the year 1,064 specimens were examined in the bacteriological laboratory and reported on, a decrease of 193 on the previous year. This decrease, it is stated, has undoubtedly been caused by the rearrangement and curtailment of work due to the war. The expenditure on the surgery and dispensary is given as follows: Drugs, chemicals, etc., 2,379\ell.; dressings, bandages, etc., 2,197\ell.; instruments and appliances, 1,303\ell.; wines and spirits, 130\ell.; sundries, 111\ell.; total, 6,12\ell.—an increase of 511\ell. compared with the previous year.

Sheffield.

A violent storm visited Rotherham recently, when much damage was done by flood and fire. H. Davy, Ltd., chemists and druggists, and Boots Cash Chemists, Ltd., were among those who suffered most severely.

Miss Mary L. Allan has been appointed second assistant dispenser by the Sheffield Guardians for the duration of the war at a salary of 100l. per annum. Miss Allan has been dispenser at the City Sanatorium, Birmingham.

Mr. G. T. W. Newsholme, J.P., Ph.C., has been nominated by the Sheffield Chemical and Pharmaceutical Society as its representative on the Court of Governors of the University for the coming three years. Mr. Newsholme is slowly recovering from illness

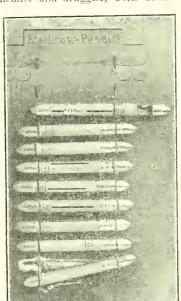
Mr. J. H. Meadowcroft, Ph.C., Abbey Lane, Woodseats, has an attractive window-display at his new pharmacy. Mr. Meadowcroft is specialising in optical work, and has divided his large window into two, one half, devoted to pharmaceutical specialities, opening into the pharmacy proper, and the other half containing a varied assortment of optical goods, opening into a consulting room, thus keeping the two departments separate.

At a recent meeting of the Ecclesall Guardians it was resolved that, owing to the extraordinary and unprecedented circumstances, the Board suspend the rule that applications for increase of salary will be considered only in December of each year in the case of the dispenser at the Ecclesall institution. The salary of the pharmacist, Mr. E. E. Richards, will, therefore, be increased as recommended by the Hospital Committee (1'. d. D., June 26,

The statement of accounts for the year ended March 31, 1915, submitted by the pharmacist to the Sheffield Union (Mr. H. Antcliffe), indicates that the drug-account for the Union amounted to 1,896l., compared with 1,914l. for the previous year—a decrease of 181. The hospital account is increased by 106l. for the year, the increase being due to the fact that the treatment of wounded soldiers is included. The out-relief accounts show a decrease of 127l., largely due, it is stated, to the national arrangements for the supply of drugs and medical attention to dependants of sailors and soldiers. There is a small increase in the accounts for Firvale House. The institutions of the Union were favourably placed in regard to stock, both drugs and dressings, which was affected by the war, and, in regard to dressings, was thus enabled to carry on till the sudden demand for Army supplies had been met by the manufacturers and prices had somewhat settled.

Struck by Lightning.

On Sunday evening, July 4, Mr. Alfred Collins, chemist and druggist, Corn Market, Pontefract, opened



his shop for an hour as usual. During that time an exceptionally severe thunderstorm passed over town. Mr. Collins was standing inside his shop, about a yard from his dispensingscreen, when he saw a vivid flash of lightning strike a card hanging on the screen. Upon the card were nine eyebrow - pencils, each enclosed in a nickelled - metal case. The electric discharge produced card a on the bright blue flame, and it was hurled to the floor. When picked up the card was quite hot, and it was found that

the fatty composition of the pencils had been melted. Mr. Collins sends us the card, and we have had the lower half of it photographed. Not only was the card scorched by the lightning, but the melted fatty matter stained the card, and we have had one of the pencils pulled out so as to show how half of it was melted away. It was rather an alarming experience for Mr. Collins. Fortunately, he was not hurt, and no other damage than this that we show was done.

Contracts for Drugs, etc.

Subjoined are particulars regarding contracts for drugs and allied products which have been received during the

Bermondsey Borough Council (Public Health Committee) has refused an application by Forbes, Abbott & Lennard, Ltd., for an advance of 1s. per gal. on contract rates for 20-per-cent. carbolic acid because it is not a pre-war con-

Bolton Guardians.—Waller & Riley, Ltd., chemists, drugs and druggists' sundries; Thomas Moserop & Co., Ltd., hydrochloric acid and disinfectants; Joseph Taylor & Co., Ltd., disinfectant-fluid and toilet-soap; W. Pricstley & Co., Ltd., turpentine.

Chapel Guardians.—Mr. J. W. Cook, chemist and druggist, drugs; Mr. C. A. Livesley, chemist and druggist, disinfectants

Croydon Guardians.—Oxo, Ltd., and Bovril, Ltd., meat-

Dover Corporation.—Mr. A. L. Thompson, chemist and druggist, chemist's goods (118l. 14s. 8d.).
Eastry Guardians.—Mr. A. E. Woodruff, chemist and

druggist, druggists' sundries.

Hemsworth (Yorks) Guardians.—Mr. G. Hodgson, chemist and druggist, drugs.

Hitchin Guardians have decided to purchase supplies during the next six months at cost price, plus a percentage to be arranged, from Mr. George Webb, chemist, Hitchin, and Perks & Llewellyn, chemists, Hitchin.

Kidderminster Guardians.—Ferris & Co., Ltd., drugs (121

per cent. off list prices). The Lambeth Board of Guardians on July 7 decided to pay the following charges in excess of contract rates: The British Drug Houses, Ltd., 31l. 6s. 4d.; S. Maw, Son & Sons, 11l. 7s. 6d. The medical officer reported having examined the accounts, and that they are reasonable, the excess in all cases being considerably less than the increases

Shown in the list price.

Liverpool City Council has been recommended to accept the tender of R. Sumner & Co., Ltd., for drugs, and that of Evans Sons Lescher & Webb, Ltd., for druggists' sundries, for the city hospitals.

Manehester Corporation (Cleansing Committee).—Executors of William Sharratt, Manchester, carbolic acid.

Paddington Guardians have been recommended to accept

the following offers for supplies: Society of Apotheearies, drugs (17½ per cent. off monthly list prices); J. F. Macfarlan & Co., dressings (present contract prices, subject to market fluctuations); S. Maw, Son & Sons, druggists' sun-dries (10 per cent. off monthly list prices, patent medicines excepted).

Romford Guardians have been recommended to grant the

elaim of Mr. W. S. Steeples, chemist and druggist, for 1/l. 16s. 5/l. extra cost of goods supplied.

Romsey Guardians.—Mr. F. Oram, Ph.C., Romsey, drugs.
Ross Guardians.—The Sanitas Co., Ltd., and MacDougall

Bros., Ltd., soap.
Southampton Guardians.—W. Bates & Co., chemists,

medical requisites.

At a recent meeting of the Pembrokeshire Education Committee the Attendance Sub-Committee reported that the members had interviewed Mr. J. H. Llewellin, chemist and optician, contractor for the supply of spectacles, and had arranged to have a report of all spectacles supplied and all ayments made submitted to the next meeting of the Sub-Committee. The Committee adopted the report.

Receiving Stolen Medicines.

At the Liverpool Police Court, on July 1, Mr. Stuart Deacon, Stipendiary Magistrate, heard evidence in a charge against William Walford Whittle, chemist and druggist, 215 Charnwood Street, Leicester, of feloniousiy receiving certain boxes of pills, etc., to the value of 12l. 5s., the property of Evans Sons Lescher & Webb, Ltd., Liverpool. The case was a sequel to the conviction of a man named Gadsby for stealing from the company (t. & D., June 12, p. 35). Gadsby now gave evidence stating that he had for sixteen months prior to May last been sending to Whittle pills, proprietary articles, and drugs stolen by him from Evans Sons Lescher & Webb, Ltd., by whom he was employed, and had sold them to Whittle at 15 to 20 per cent. below wholesale net prices. He had represented to Whittle that he was buying and selling salvage and bankrupt stocks. Defendant gave cvidence, and said that he had believed Gadsby. His first transaction with Gadsby was the purchase of salvage goods from Gadsby's own shop where he formerly carried on business near Leicester. Practically all payments to Gadsby were made by postal order or money order. Sometimes Gadsby sent him a list showing the goods he had for despatch, and he (Whittle) ticked of the articles he required and returned the list. On many occasions he received parcels from Gadsby and did not know what the contents were until he opened the parcel. He kept no books and had no invoices or receipts for money from Gadsby, and no accounts were rendered. Other evidence on behalf of the defendant was to the effect that he carries on a large business, is a man of good character, and a local preacher. The Magistrate found the charge proved, and imposed a fine of 10l., with ten guincas costs. [Mr. Whittle has entered an appeal.]

Miscellaneous.

Poisons and Pharmacy Act.—Mr. J. W. Johnston, employed with Mr. A. M. Yates, Market Place, Manchester, has been granted an agri-horticultural poison-licence.

Kensington Guardians are to appoint for four months a qualified dispenser of either sex, at a rate not exceeding 25th per annum, to assist Mr. Heworth, chemist and druggist, at the infirmary.

Brighton Guardians have increased the salary of Mr. A. W. Bayley, chemist and druggist, dispenser at the Infirmary, from 100l. to 125l. per annum, subject to the approval of the Local Government Board.

CALOMEL OINTMENT.—The medical officer of health for the City of London (Dr. W. J. Howarth) has reported to the Sanitary Committee that one sample of calomel ointment was purchased for analysis last month and it was satisfactory.

CHEMISTS DEFRAUDED.—At Surrey Quarter Sessions on July 1, Frederick R. Wake was sentenced to three years' penal servitude for stealing a bottle of Scott's Emulsion and 16s. 4d. in money belonging to the Timothy White Co., Ltd., Farnham (C. & D., May 29, p. 37).

MOTORIST FINED.—At Manchester last week, Mr. Edwin Griffiths, Ph.C., Kidsgrove, Staffs, was fined 2l., with 1l. 1s. advocate's fees and 5s. witness's expenses, for driving a motor-cycle and sidecar at a speed dangerous to the public at Gorse Hill, Stretford, on June 10.

Long-Service Awards.—Burroughs Wellcome & Co. have prescuted a silver salver bearing an appropriate inscription to Mr. Hourston Hamlin, and a gold watch to Miss Clara Shead, on the occasion of each of them completing twenty-one years' service at the Dartford works of the firm.

A DIVIDEND of $1\frac{1}{2}d$. in the pound to the creditors of Walter Stuart Mitchell, chemist and druggist, Egremont, and Seaview Road, Liscard, is announced by the Official Receiver for the Liverpool Bankruptey Court. This is the first and final dividead, and preferential claims have been paid in full.

INCREASE IN CARRIERS' RATES.—Carter, Paterson & Co., carriers, London, intimate that on and after July 15 a further advance of 12½ per cent. on their present rates will be necessary. This extra charge will continue to operate until the increases in working-expenses due to the war return to the normal.

Poisoning Cases.—Two of the three deaths from poisoning reported during the week were suicidal cases. A London telegraphist died from the combined effects of poison (chlorodyne) and strangulation, and a woman at Newcastleon-Tyne died through taking prussic acid. A Stoke Newington woman died as a result of taking an overdose of veronal.

A DIVIDEND.—Mr. Parkin S. Booth, of the Association of Manufacturing Chemists, Ltd., informs us that he has realised the business of Mr. F. B. Parkin, chemist, Minehead, Somerset, and has paid a first and final dividend of 17s. 6d. in the pound. The total liabilities at the date of the deed were 1,071/. 4s. 2d., and the present liabilities amount to 1,166/. 5s. 4d.

A MINIATURE RIFLE-RANGE has been opened recently in connection with the "Parke Davis" Rifle Club, on land adjoining the laboratories at Hounslow of Parke, Davis & Co., who are patrons of the Club. The range is considered to be among the best of its kind in the Kingdom, and will include, when finally completed, 25 yards, 50 yards, and 100 yards ranges. The Club is well supported, having a membership approaching a hundred, and its handsome pavilion was designed and erected entirely by members.

PETTY THEFTS.—At Carlisle on June 29 a twelve-year-old boy was found guilty of stealing three cameras, perfumes, and other gods, value 5l., from his employer, Mr. T. M. Ridley, Ph.C., Carlisle. The Bench ordered the boy to

be birched and his father to pay 10s. At the same time Thomas Armstrong (14) was found guilty of stealing goods, value 10s., also the property of Mr. Ridley, and Bertram Morgan guilty of receiving three cameras. Armstrong's father was ordered to pay 1l., and Morgan was fined 2l. besides being placed under probation for six months.

MOTHER-CRAFT EXHIBITION.—At the Mother-craft Exhibition at the Passmore Edwards Scttlement on July 6 Dr. Halford Ross lectured on "Children and the Fly Peril," and in the large hall there were exhibited the correct styles of feeding-bottles, with firm teats to encourage the baby's jaws to work; methods of sterilising milk in bottles; and proper clothing for babies. On July 7 Dr. Louis Sambon lectured on "The Protection of Children against Insect-borne Diseases," and Dr. Eric Pritchard demonstrated home methods of sterilising infants' food.

Shors Act.—Mr. H. Whittle, chemist and druggist, of J. & J. Thompson, Ltd., chemists and druggists, Oldham, attended a meeting of the Oldham Wateh Committee last week, on behalf of the local Pharmaccutical Association, to explain any points which might arise in the consideration of the petition of the chemists for a closing order under the Shops Act (C. & D., June 26, p. 45). Mr. Whittle pointed out that the only change from the existing arrangements would be that the closing-hour on Fridays would be 9 p.m. instead of 10 p.m., and on Saturdays 10 p.m. in place of 10.30 p.m. The Deputy Town Clerk reported receipt of two letters of objection to the proposed order from chemists who would be affected. He pointed out that those chemists would be able to express themselves against the order if and when a ballot is taken.

Summer Outings.—The St. Helens and District Pharmacists' Association arranged an outing to Chester on July 1, the local traders' holiday. The company left Church Street at 10.45 A.M in a motor char-a-banc and reached Chester at 1 F.M. Dinner was served at the "Holborn" in Foregate Street, and the afternoon was spent in boating and visiting places of interest. The return journey was commenced at 8.15, and St. Helens was reached at 10.45. The outing was the first of the kind arranged by the Association, and was so thoroughly enjoyed by all that it will probably become an annual event.—The Oldham chemists held their annual pienic on July 6—this year to Knarr Barn Farm, Delph, a specially convenient spot for those who had to return home for dispensing-duties. A delightful view obtained from Knott Hill, overlooking Delph village, one of the highest points in Lancashire, was much appreciated. The party consisted of about thirty, and all greatly enjoyed the outing.

Pharmacy-window Smashed.—While eyeling down Cheapside, Lancaster, on July 2 a youth dashed through the

window of the pharmacy of Mr. R. T. Simpson, ehemist and druggist, with the result shown in the photograph which we reproduce, and which was taken immediately after the youth had retired. The plate glass lies on the pavement, and it will be noticed that the contents of the window are not much disturbed.

THE CREDITORS of Mr. Alfred Ernest Colman, chemist and druggist, 7 Gresham Street, E.C., met at 34 Gresham Street, on July 6, when a statement of affairs was submitted showing liabilities 1,194t. 10s. 7d. (including a claim by Mrs. Colman for 700t.) and assets 2477



for 7001.) and assets 2471.

12s. 7d. (stock 1001., fixtures 1001., book-debts 411 6s. 11d., and cash 6l. 5s. 8d.). It transpired that the debtor as a Territorial was called up to serve with the Royal Army Medical Corps, and during his absence the business had fallen off. The debtor was present and explained the position. After discussion it was unanimously decided that the estate should be dealt with under a deed of assignment, with Mr. F. M. White, of Francis, Nicholls, White & Co., C.A., Old Jewry Chambers, E.C., as trustee. It was stated that Mrs. Colman's claim would be withdrawn. The following are reditors: Brown Bros., 122l.; C. H. Heeley & Co., 611.; Allen & Hanburys, Ltd., 101.; Butler & Crispe, 201.; A. H. Cox & Co., Ltd., 6l.; Dakin Bros., 111.; Edmunds Bros., 71.; Idris & Co., Ltd., 9l.; Ingram & Royle, 7l.; James Kerfoot & Co., 5l.; S. Maw, Son & Sons, 5l.; John Timson & Co., Ltd., 9l.; Wright, Layman & Umney, Ltd., 9l.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Pharmaceutical Society of Ireland.

The result of the Preliminary examination held recently in Dublin is as follows: Theresa Murphy, Cloleaphin, Mitchelstown, and George Forster Pollock, Smithborough, co. Monaghan, passed with honours. The following also passed: Lizzie Boylan, Kilcogy, co. Cavan; Thomas Campbell, Eglish, co. Tyrone; Margaret Mary Stephenson, Dominican Convent, Wicklow; Mary Stanislaus Mooney, Mullingar; Kathleen O'Byrne, Dominican Convent, Wicklow; Charles Shaw Livingston, Lurgan; David Weiner, Dublin; Alice Mary Joynt Bourke, Roscrea; Samuel Rosenthal, Waterford; James Edward Walsh, Rathkeale: William McDonald, Belfast; Ronald Northey, Belfast. Eight candidates were rejected.

Brevities.

The Derry Guardians have increased the salary of Mr. R. F. Blake, the analyst, from 201. to 25l.

Mr. J. J. McHenry, Ph.C., 1 Belmore Terrace, Enniskillen, has passed the Preliminary examination of the Royal College of Physicians and Surgeons, Ireland.

Mr. James White, manager of Hadden's Medical Hall, Wexford, for eleven years, has left to take up the managership of Dr. Magner's Medical Hall, Fermoy. Before leaving he was entertained to supper and received a number of presents.

At the meeting of the Navan Board of Guardians, Mr. Price moved that the fes of Mr. R. F. Blake, analyst, be increased from 4s. to 6s. per sample, the amount asked by him in his recent letter. An amendment, however, that the salary remain unaltered was carried by a majority.

Mr. Abraham Porter, Ph.C., Rathmore Cregagh Road, Belfast, and Ash Lea, Coleraine, has passed the Final examination for M.B., B.Ch., B.A.O. at the Queen's University, Belfast. He took honours in the first medical examination in 1911 and a prize of 101; first-class honours on the third medical, and first scholarship 40l., and class prizes—many of them firsts—in all but one or two subjects in the whole course.

Chemists' and Druggists' Society of Ireland.

The members of the Chemists' and Druggists' Society of Ireland had their annual outing on June 30, Garron Tower being the selected place. The party, which included many lady friends, drove from Belfast in two chars-à-bancs, and the journey via Carrick, Larne, Glenarm, and Carnlough was enjoyed by all, particularly that part of the journey along the coast road. Among those present were: Messrs. Samuel McDowell, W. J. Gibson, John Long, F. Lindsay, J. Frackleton, W. E. Wilson, D. A. Taylor, A. E. A. Davis, R. Kells, Wm. Martin, J. Sandford, A. McCurdy, S. Nevin, S. Stewart, W. J. McMurray, W. H. McBride, and James Macauley. After a ramble through the grounds of the Tower, tea was partaken of. Mr. Samuel McDowell, President of the Society, subsequently expressed pleasure at seeing so many present. Mr. W. J. Gibson moved, and Mr. John Long seconded, a vote of thanks to the Social Committee, which was passed by acclamation, and responded to by Messrs. W. E. Wilson and D. A. Taylor. The company was photographed by Mr. A. R. Hogg prior to the return Belfast was reached about 10 P.M. arrangements for the excursion reflected the greatest credit on Mr. John Frackleton and the Social Committee.

The Storage of Petrol.

At the monthly meeting of Belfast Corporation on July 1, the minutes of the Police Committee, which were adopted, contained the following:

"The town solicitor reported that, as instructed by the Committee's resolution, he had considered the facts as reported to him regarding the keeping of petrol at the premises of Mr. Samuel Gibson (druggist), King Street, without a licence from the Council, and he was of opinion, on the evidence submitted to him, that Mr. Gibson had

committed an offence and rendered himself liable to be prosecuted under the provisions of the Petroleum Aets. The town solicitor informed the Committee of the action taken by the Corporation sinee the passing of the 1911 Act with reference to the proposed acquisition of the property occupied by Mr. Gibson for street-widening purposes, and in respect of which an arrangement had been come to a short time since. The Committee having discussed the question of instituting proceedings against Mr. Gibson for keeping petrol without a licence from the Council, it was resolved that in view of the special circumstances in regard to the acquisition of the property by the Corporation, action be not taken against Mr. Gibson for having stored petrol at his premises in King Street without a licence from the Council, but that Mr. Gibson be informed that unless he ceases to keep the substance until a proper store has been provided and a licence taken out in accordance with the provisions of the Petroleum Acts proceedings will be instituted against him."

A second minute contained Mr. Gibson's reply, which was to the effect that he had a few gallons of petrol stored for private use, but not for sale, and he has had it removed to his private residence outside the city.

Scottish News.

oubscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Aberdeen and the North.

A fire occurred in the pharmacy of Mr. Robert Leslie, Ph.C., 627 George Street, on July 7, owing to the breaking of a bottle containing earbon bisulphide. The fire-brigade was summoned, and extinguished the outbreak by means of a "hand-grenade."

The "even tenor" of pharmacy in the Printfield is to be broken by the invasion of the drug-store. For a number of years two pharmacies have supplied the needs of Woodside, giving practically a night and day service. The hours of attendance have been longer than in any other district.

Edinburgh.

There are indications that a general mid-day elosing, say from 1 to 2 P.M., would be welcomed by the smaller pharmacists.

It is said that Boots, Ltd., propose meanwhile to run the Gibson & Co. shops without change—that is, closing at 9 p.m. on week-days, with Sunday duty, instead of, as is usual with Boots' shops, closing at 8 p.m. and all day on Sundays.

The Dean of Guild Court granted, on July 1, a warrant to Mr. Duncan McGlashan, manufacturing chemist, for the erection of a new two-storey chemical factory in Westfield Road. Mr. McGlashan is well known as the manufacturer of "Abdine" powders. At the same Court the North British Rubber Co., Ltd., was granted permission to carry out alterations at Castle Mills.

Fife.

Qualified locums are demanding 31, 3s, to 3l, 5s., and unqualified men value their services at 2l, 5s, per week—outdoor.

Cupar chemists report good business. The Territorials are now experts in toilet requisites, thanks to kit inspections.

The abnormal heat has created a fresh demand for aërated waters, notwithstanding the increased prices. At the coast bathing-caps and water-wings have been in phenomenal demand.

Glasgow and the West.

The Glasgow University Court has decided to approach the Carnegie Trust to establish twenty research scholarships of 2507, a year each.

A serious fire occurred last week at Ayr Starch-works through some children setting a light to a barrel of motor spirit. One child was seriously injured.

The West of Scotland College of Agriculture in Blythswood Square, Glasgow, is shortly to be removed to a rural district with ready access from the city.

Miss Eliza Petrie, chemist's assistant, residing at Royal Buildings, Uddingston, was on Friday, July 2, run down by a Lanark County Council motor car and severely injured.

Several Scottish Co-operative Societies are investing their funds in the Government War Loan. Many individual and corporate drug-firms have already subscribed, and have urged their employés to do likewise.

Glasgow University has been notified by the Director-General of the Army Medical Service that fourth and fifth year medical students must remain at their studies and qualify, but all first, second, and third year students may offer their services in the most useful capacity to the War Office.

The all-prevailing topic in Glasgow Pharmacy this week has been the "Herald" correspondence on Insurance dispensing initiated by Dr. Morrin (see p. 52). The question is asked, Why did Dr. Morrin ignore the fact that several suburban and central pharmacies are open on Tuesdays all day and closed on Saturdays at 1 p.m., also that there are numerous night-bells? Indeed, the busiest night-bell in Scotland is that of John McMillan's pharmacy, St. George's Cross, Glasgow.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

SHOP HOURS.—Although the Cape Town City Council have not yet given notice of their intention to put the Shop Hours Act in force, most of the city and suburban chemists have started closing at the hours laid down in the Act. The public were more or less expecting this to have occurred on June 1, and it is just as well, perhaps, not to disappoint them.

Business is Still Good with us, writes our Cape Town correspondent, although we are now feeling the shortage of stock more than at any period since the war started, and it is quite possible that as time goes on we shall feel it more so. This can readily be understood when it is considered that we are dependent on England for practically all our supplies. Mag. sulph. to-day (June 19) is 40s. per ewt., and then 14 lb. is supplied to one customer. Phenazone is 38s. per lb.

Transvaal.

Mr. W. N. COOPER, chemist and druggist, West End, Kimberley, was returned on June 10 by a majority of 293 over his opponent as a member of the City Council. Mr. Cooper had been nominated by the Ratepayers' Association and his opponent by the Labour Party, and an unusual amount of interest was taken in the contest, particularly by the lady voters.

B.P. Comparisons.—The Pharmaceutical Society of the Transvaal has issued an eight-page memorandum on the British Pharmacopeia, 1914. The introduction, signed by Mr. H. Wheildon, the President of the Society, reviews the changes and refers to the necessity of avoiding the use of trade-mark names for synthetic remedies. There follows a table of important alterations in galenicals, and this is followed by a list of chemical equivalents and non-proprietary names for synthetic chemicals.

Cape Pharmaceutical Society.

A GENERAL MEETING of the Cape Pharmaceutical Society was held in the Society's rooms, 65 Hout Street, on June 18. There were present: Mr. James Sloan (President), Mr. James Dell (Vice-President), Dr. Froembling, Messrs, Aitken, Edmeades, Petrie, Ferguson (Petersen, Ltd.), Ware, Mann, Gannon, Austin Thomas, and others. The first item on the agenda was "The formation of a social club." Mr. Ferguson, in proposing this, said that the social side of the Pharmaceutical Society has been much neglected, and he thought that a little more social union among the members of the Society would be sure to increase the good feeling that exists, and probably when the social side is developed more chemists would join the Society. Now that earlier closing was an accomplished fact better opportunities would prevail for social functions,

etc. The proposition was carried nem. con., and a small Committee, consisting of the President, Messrs. Dell, Ferguson, Petrie, and Aitken, was elected to go into the matter of forming the club and other details. The question of removing to larger and more central rooms was then brought up, and it was decided to leave the matter in the hands of the newly-appointed Social Club Committee to deal with, as to develop the social side of the Society it will be imperative to have better rooms. Dr. Froembling then gave a lecture on "The Botany and Materia Medica of the New B.P." He gave a short résumé of the sources and uses of the different drugs mentioned in the new B.P., going particularly into the history of the additions. Specimens of these drugs were at the same time handed round. Some of these were very fine, particularly that of the Capo gum, which was equal to any specimen of gum arabic that one finds in commerce; in fact, several specimens of Cape drugs were shown which Dr. Froembling thought might very well be included in the next B.P. It is to be regretted that the meeting was somewhat sparsely attended, as it was both instructive and entertaining. Dr. Froembling must have spent a great deal of time in getting his notes together and arranging the specimens. The President pro-posed a hearty vote of thanks to Dr. Froembling, which was carried unanimously. Before the meeting terminated Mr. Dell proposed "That in view of the earlier closing of chemists' shops, future meetings start at 8 p.m." After some discussion it was decided to leave the matter for the Council to deal with.

Legal Reports.

Trade Law.

A Price-list Dispute.—The Manufacturers' Prices Current, Ltd., were the plaintiffs and Burgoyne, Burbidges & Co. the defendants in a motion which came before Mr. Justice Younger in the Chancery Division of the High Court, London, on Friday, July 2, the plaintiffs asking for an injunction restraining the defendants from publishing certain matters which were alleged to be an infringement of the plaintiffs' rights. Mr. Clausen, K.C., for the plaintiffs, asked that the motion should stand over for a fortnight for the convenience of Mr. Henry Terrell, K.C., M.P., who is on military service. The defendants had given an undertaking on certain terms which were satisfactory. His Lordship assented to a fortnight's adjournment.

Essence of Coffee.—Sheriff Shennan, sitting at Hamilton on June 23, gave judgment on a summons, under Section 6 of the Sale of Food and Drugs Act, 1875, issued against William Low & Co., grocers, Wishaw, for selling, in response to a demand for a bottle of coffee, a bottle labelled "Finest Essence of Coffee," containing 1 part of coffee to 2½ parts of chicory. His Lordship held that the vendors had followed the universal custom of the district by supplying a bottle of coffee and chicory so labelled. In the addition of chicory in this case there was no proof of fraud, and a conviction could not be established on the figures of analysis alone. In his opinion, sellers should be required to state the approximate proportions of ingredients in mixed articles. He found the charge not proven.

Attempted Exportation of Novocain. — At Marlborough Street Police Court, London, on July 7, Herbert Arthur Edwards, Alston House, Newman Street, Oxford Street, was summoned for aiding and abetting the Dental Manufacturing Co., Ltd., Newman Street (of which he is managing director), to commit the offence of sending a parcel of novocain to the post-office, 70 Oxford Street, to be shipped for exportation, an Order having been issued prohibiting the exportation of that drug. The company was also summoned for causing the novocain to be sent, and for causing a false declaration to be made as to the contents of the parcel. The Commissioners of Customs and Excise prosecuted, and on their behalf it was explained that the parcel contained 1,600 tubes of the drug, and was sent to Liverpool for exportation to Toronto, the label on it containing the words "Dentists' Sundries." When opened it was found to contain novocain. For the defence it was stated that the thing occurred through an oversight. A fine of 50%, with ten guineas costs, was imposed on the company for causing the novocain to be sent.

The Month's Notice to Assistants.—At Kanturk Quarter Sessions on June 26, Mr. Henry C. Meyrick, Ph.C., sued Sullivan Bros., The Pharmacy, Newmarket, for 71. 6s. as arrears of salary and commission. The defendants' solicitor paid 1l. 2s. 6d. into court. On behalf of the plaintiff it was stated that he entered into an agreement with

the defendants on November 6, 1914, to act as manager of the Newmarket Pharmacy and Drug-store for six months at a salary of 2l. per weck with 10 per cent. on dental work. He left on April 26, and contended that he had not had adequate notice. The Recorder of Cork, who, with two other magistrates, heard the case, fixed the arrears due at 1l. 7s. 6d., and from the 2l. commission for dental work he deducted 17s. 6d., being defendants' counter-claim. In his judgment there was a dismissal without the requisite month's notice but he took into consideration in assessing month's notice, but he took into consideration in assessing damages that the plaintiff had gone into other employment on May 1. As plaintiff was paid on April 27, that left three days before May 1, for which he allowed 1*l*., this bringing the total claim to 3*l*. 10*s*., for which he gave a decree, with 17. expenses

Liebig's Extract of Meat Co., Itd., 22 Thames House, Liebig's Extract of Meat Co., ItJ., 22 Thames House, London, E.C., were awarded 1,500% damages against the printers and publishers of "John Bull" by a special jury sitting with the Lord Chief Justice in the King's Bench Division on Monday, July 5. The plaintiffs' claim was for damages for libel, their allegation being that in the issue of "John Bull" of March 27 the defendants had libelled them by suggesting that they had been guilty of treason and trading with the enemy. It appeared that a "commissioner" employed by "John Bull" noticed a collection of war trophies in the office window of a Crovdon collection of war trophies in the office window of a Croydon newspaper, and among them was a satchel containing a number of emergency rations, including a tin of meat extract made by the plaintiffs. This belonged to a soldier home from the war, and had been supplied to him by the British Government. The "commissioner" apparently imagined the satchel to be one issued by the German Government to its men, and a statement to this effect appeared in "John Bull," but an explanation and apology were subsequently published. Mr. R. L. Gillingham, for thirty-six years in the employ Mr. R. L. J. for thirty-six the plaintiff company, said there was not the slightest truth in the allegations made by "John Bull." Since the the Front wages amounting to about 5,000%. Eventually the jury awarded the plaintiffs 1,500% damages, and judgment was entered accordingly.

Are Travellers Weekly Servants?-In the City of London Court, before Judge Rentoul, K.C., and a jury, on July I, Mr. Harry N. Newman, Harrow, brought an action against W. Q. Rowett and L. S. Maephail, trading as Rowett, Maephail & Co. and the Pure Aération Supply (London), manufacturers, 19 Eastcheap, to recover 41t. 18s. 9d., salary due and damages for terminating his employment. The question for the Court to decide was a commercial traveller in the whether plaintiff, who was a commercial traveller in the employment of the defendants, received reasonable notice terminating his employment. In March plaintiff saw an advertisement for a traveller, as defendants wanted one who would call on chemists, grocers, stores, etc., for the sale of their sparklets, flasks, etc., offering 250l. to 300l. a year. Plaintiff had had twenty years' experience on the road as a traveller in various trades, which he thought would be of assistance in the defendants' business. The defendants engaged him as a commercial traveller at a salary of 5t. a week and "reasonable travelling expenses," particulars of which were to be given every Friday. Plaintiff entered upon his duties, and his sales soon showed an improvement. upon ms duties, and his sales soon showed an improvement. By the second week in May the parties did not get on very amicably and disputes occurred. Friction ensued, and defendants gave plaintiff a week's notice to terminate his engagement when he was at Darlington. Plaintiff's case was that this was not a reasonable notice, and he claimed damages and salary due. The jury found that the plaintiff was engaged at 57 a week, but that there was no agreement damages and salary due. The Jury found that the planting was engaged at 5l. a week, but that there was no agreement as to notice. If a reasonable notice was to be given then it was a month's notice. Upon this Mr. Stuart Bevan asked for judgment for the defendants, saying that in all cases where a traveller receives a month's notice he is asked for judgment for the defendants, saying that in an cases where a traveller receives a month's notice he is employed at a yearly salary. The jury had found that plaintiff was engaged at 5*l*, a week. Accordingly his Honour said he must enter judgment for the defendant, with the travelled to the lead decisions eithed to with costs, after considering all the legal decisions cited to

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

ORTHOFEDIC FOOT APPLIANCES Co., Ltd. (P.C.).—Capital 1,050/. The first director is P. G. II. Hinder (permanent). R.O., 9-15 Oxford Street, W.

WILLIAMS' TEETH Co., Ltd. (P.C.).—Capital 3,000l. Ob-WILLIAMS TEETH CO., LTD. (F.C.).—Capital 3,000. Objects: To take over the dental surgeries carried on by W. H. Hawkins as "Williams' Dental Surgeries" at 18 and 20 Oxford Street, 141 Newington Causeway, and 293 Gray's Inn Road, London. W. H. Hawkins is the first managing disactor. managing director.

T. N. T., Ltd. (P.C.).—Capital 3,000l. Objects: To acquire the benefit of contracts entered into or to be entered into between E. J. Fawke and the Secretary of State for War for the manufacture and supply of trotyl. The first directors are E. J. Fawke (managing director), J. Rossdale, and F. G. Rice. R.O., 768 Westbourne Grove, W.

NATIONAL CHEMICAL-WORKS, LTD. (P.C.).—Capital 3,000%. Objects: To take over and continue the business of polish and chemical-compound manufacturers carried on by R. Neville, O. Neville, and S. Neville at 2 Stanley Road, Acton, as "Mayer Bros." and the "Kismet Polish Co." The first directors are R. Neville and O. Neville.

DENTO SYNDICATE, LTD. (P.C.).—Capital 5,0001. To take over the business of Bash & Co., 35-36 Foley Street, Langham Place, W., and to carry on the business of chemists, druggists, drysalters, oil and colour men, importers and manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial, and other preparations and articles, etc., and to adopt an agreement with W. H. Hartley.

British Lysol, Ltd. (P.C.).—Capital 5001., in 11. shares. Objects: To carry on the business of pharmaceutical, manufacturing, and general chemists and druggists, manufacturers of and dealers in toilet requisites, medicines and medical preparations, boxes and packing and other cases, etc. The subscribers are F. A. S. Gwatkin and S. Cronin. The subscribers are to appoint the first directors. Solicitors: McKenna & Co., 31-34 Basinghall Street, E.C.

Company News.

PARKE'S DRUG-STORES.—The directors have decided, owing to the unsatisfactory conditions now prevailing, not topay a dividend on the ordinary shares for the present.

Gazette.

Partnership Dissolved.

STEVENSON, J. J., and FRENCH, W. H., 31 Pelham Street. Nottingham, chemists and druggists, under the style of Stevenson & French.

Bankruptcy Acts.

RECEIVING ORDER AND ADJUDICATION. JELLEY, H. P., 172 and 174 High Street, Homerton, N.E., and 147 Roman Road, Bow, E., doctor.

Births.

Authenticated notices are inserted without charge.

BADGER.—At the Medical Hall, Magherafelt, on June 27, the wife of S. S. Badger, Ph.C., of a daughter.

Gilchrist,—At Abbey Corner, Kelso, on July 5, the wife of Adam Gilchrist, chemist and druggist, of a daughter.

Lever.—At "Heathfield," Babington, Cheshire, on July 1, the wife of W. Hulme Lever (Lever Bros., Ltd.), of a son-

Marriages.

Authenticated notices are inserted without charge.

FIELD—ROWLINSON.—At St. Mary's Church, Newmarket, recently, Frederick Copeman Field, with J. W. Carr, chemist, Ltd., Newmarket, to Meta, elder daughter of Mr. James Rowlinson, Newmarket.

JOHNSTON—GUTHRIE.—At 199 Ferry Road, Leith, by the Rev. James Black, M.A., on July 6, Gilbert Johnston. M.A., Manchester, to Isabella Marguerite, younger daughter of Mr. Andrew D. Guthrie, pharmacist, Leith.

Kermode, youngest son of the late Mr. M. R. Kermode, chemist and druggist, Castletown, I.M., to Meta, daughter of Mr. Richard Coole, Castletown.

MAYRS—BUSHBY.—At Graee Church, New York, U.S.A., on June 12, by the Rev. B. M. Washburn, John Black Mayrs, Ph.C. (Burroughs Wellcome & Co.), 660 Riverside Drive, New York, to Florence Cassandra Bushby. Mr. Mayrs was formerly dispenser in the Adelaide Hospital, Dublin.

Mercer-Morcella.-At St. Ignatius' Church, Preston, on July 6, Wilfred Francis Mereer, youngest son of the late Mr. John Mereer, ehemist and druggist, Preston, to Alice, eldest daughter of Mr. Paul Morcella, Preston.

TIPETTS—RODWELL.—At St. Paul's. Onslow Square, London, S.W., by the Rev. Prebendary Webb-Peploe, M.A., on July 1, John William Tippetts, ehemist and druggist, 18 Eeeleston Street, Belgravia, London, S.W., to Ethel Mary, only ehild of Mr. W. D. Rodwell and Mrs. Rodwell, South Kensington, London, and cousin of Mr. P. F. Rowsell, J.P., Exeter, member of the Pharmaeeutical Council.

Deaths.

Authenticated notices are inserted without charge.

ALEXANDER.—At Chattanville, Banff, on July 7, Helen, eldest daughter of Mr. William Alexander, J.P., chemist and druggist, Banff.

Bilbrough.—At 15 Beech Grove Terrace, Leeds, on June 23 Mr. Alfred Bilbrough, chemist and druggist, aged benefit to the extent of over 30,000%. He was a partner with his brother in the firm of J. J. Bilbrough & Sons, which carried on business in very old premises in the Rose and Crown Yard, Briggate, which were demolished fourteen years ago, when the brothers retired from business. Mr. Bilbrough sinee then had lived very quietly and unpretentiously in a small terrace houso rented at between 25*l*, and 30*l*. He was regarded by his neighbours as a kindly but somewhat eceentric old man, and no one seems to have had the slightest idea that he was wealthy. His hobbies were long country rambles and chess-playing. The estate is estimated to realise about 150,000l. The bequests include 5,000l. to the University of Leeds, 4,000l. to the Infirmary, and 3,000l. to the Wempey's and Children's Heaville. and 3,000%, to the Women's and Children's Hospital.

CRISPIN.—Suddenly, at Croydon, on June 29, Mr. Charles Langdon Crispin, chemist's assistant, aged forty-two.

Dennis.—At Newmarket, Louth, on July 1, Mr. John Woodrow Dennis, ehemist and druggist, aged seventy-eight. Mr. Dennis was born at Upwell, near Wisbech. He purehased a ehemist's business from Mr. Colam at 89 Eastgate, Louth, but removed over forty years ago to 77 Eastgate, at which address the well-known agricultural business is still carried on by his son, Mr. F. W. Dennis, Ph.C. Owing to failing health Mr. Dennis retired from business many years ago. In middle life he fook a prominent part in public affairs, and was a member of the Louth Town Council, a Governor of the local Grammar School, a member of the Board of Guardians, etc. He was twice married and is survived by a widow, two daughters, and two sons.

EYKMAN.—The death on July 1 is reported of Professor J. F. Eykman, Groningen, Holland, a chemist to whose credit stands much work in pharmaecutical ehemistry, including the investigation of essential oils, alkaloids, and glucosides. His study of the constituents of *Illicium religiosum* and other false forms of star anise were among his earliest work, but he is perhaps best known in this country on account of his method for assaying spirit of nitrous ether by measuring the nitric oxide evolved from a mixture of the spirit with acid solution of ferrous sulphate. This was the first process to throw definite light upon This was the first process to throw definite light upon the therapeutic constituents of spirit of nitrous ether, for up to that time (1882) the measure of the efficacy of the spirit was based upon the proportion of "etherial fluid" separated when the spirit was saturated with calcium chloride. This was entirely empirical and mislcading, and the fact was appreciated by many chamits, but not upon the the faet was appreciated by many ehemists, but not until Eykman devised his process for determining the actual amount of nitrous constituent present did the spirit become a rational therapeutic agent. Dr. W. H. Symons was the first in this country to appreciate this fact. This was in 1883; subsequently Dott and MacEwan took up the work, and it was from correspondence with them that the late A. H. Allen, of Sheffield, improved upon Eykman's idea by working in the cold with potassium-iodide solution, the spirit and dilute sulphurie acid in a nitrometer whereas the Eykman process necessitated heat, the reaction being carried out in a distillation-flask the contents of which were boiled and the nitrie oxide collected from the boiling solution. Professor Eykman does not appear to have taken any

active interest in pharmaceutical chemistry for some years past. He was an original member of the German Chemical Society.

Howard, Ph.C., Maeclesfield, on June 2, Mr. Alfred Howard, Ph.C., 132 Muslin Street, Newton Hyde, Manchester, aged forty.

JONES.—On June 26, after a long illness, Mr. David Jones, chemist and druggist, 397 High Street, Lincoln, aged sixty-two. Mr. Jones was a native of Merthyr Tydfil, and before going into business for himself was manager at High Street Lincoln, for the late Alderman W. Cottingham.

Lock.—Suddenly, at Eastbourne, on June 26, Robert Heath Lock, Sc.D., Tregonna, Streetly, Staffs, H.M. Inspector Board of Agriculture and Fisheries, aged thirty-J. B. Lock, M.A., Bursar and Fellow of Gonville and Dr. Loek was the seeond surviving son of the Rev Caius College, Cambridge, and was educated at Charter-house and Caius College, being Frank Smart Student in 1902, and becoming a Fellow of his College two years later. He acted as Curator of the Cambridge University Herbarium for three years, and in 1902 he became scientific assistant at Peradeniya Gardens, Ceylon, subsequently being appointed Assistant Director of the Department. On retiring from the Ceylon Department of Agriculture in 1913, he received an appointment under the Board of Agrieulture and Fisheries. He was the author of a book on "Rubber and Rubber-planting."

Massey.—At 254 West Seventy-first Street, New York, recently, Mr. George Massey, senior partner of the firm of Lanman & Kemp, exporting druggists, New York. Mr. Massey was an Englishman, having been born in Witton, Cheshire, his father being the Rev. Samuel Massey, Montreal, and one of his brothers, Mr. William Massey, was a partner in Caswell, Massey & Co., pharmaeists, New York, who has retired and lives in England.

MILLAR.—At Killarney Wood, Bray, co. Wicklow, MILLAR.—At Killarney Wood, Bray, co. Wickiow, recently, Mr. William Millar, chairman and managing director of A. Millar & Co., Ltd., Dublin, aged seventy-three. Mr. Millar was the son of the late Adam Millar, who founded the British-wine business of A. Millar & Co. early in the eighteenth century. When the business was incorporated as a limited company in 1895 Mr. William Millar become chairman and joint managing director with Millar became chairman and joint managing director with his brother, Mr. Fitzadam Millar, who now becomes chairman.

Shillito.—At 77 Brynn Street, St. Helens, on June 18, Mr. William John Shillito, chemist and druggist, formerly of Monk Gate, York, aged sixty-nine.

SMITHSON.—At 24 Goldsmid Road, Brighton, on June 28, Mr. John Smithson, chemist and druggist, aged seventy-one.

Killed in Action.

Adams.—In Flanders, on June 17, Lanee-Corporal John F. Adams, Signal Section, 1/4th Batt, Gordon Highlanders (T.F.), aged ninetcen. Prior to the outbreak of war Lance-Corporal Adams was employed with William Paterson & Sons, wholesale druggists, Aberdeen.

CORTIS.—Killed in action, on June 15, Second-Lieutenant John Halsted Cortis, 2nd Wiltshire Regiment, eldest son of Mr. Arthur B. Cortis, Ph.C., West Worthing, aged twenty.

Wills.

MR. GEORGE PATTRICK, chemist and druggist, Woodville, Consett. Durham, who died on May 7, left estate valued at 1.1631. 12s. 11d. gross, with nct personalty 2971. 14s. Probate of his will has been granted to his widow, Mrs. M. H. A.

Mr. William Dodge, chemist and druggist, Bourneville Avenue, Heaton Norris, Stoekport, formerly for many years in business at Love Lane, Heaton Norris, who died on March 9, left estate valued at 1,477l. 6s. 9d. gross. Probate of his will has been granted to his nephews, Mr. W. E. Sugden and Mr. S. W. Sugden, of Common, Cheadle Hulme.

The Leech-famine would be very little felt if everybody was like Bill Smith's wife. Bill's doctor prescribed an application of leeches for him, and then, calling at Bill's the next day, he said to Mrs. Smith: "Did the leeches arrive all right that I sent for your husband?" "Yes. doctor," said Mrs. Smith, "but what was the good of sendin' them little things for a great big strappin' feller like Bill? I jest throwed 'em out and clapped a ferret on him!"

Pharmaceutical Society

of Great Britain.

Council-meeting.

THE monthly meeting of the Council was held on July 7 👢 at 16 Bloomsbury Square, London, W.C. The Pharmacy Board of Victoria wrote in regard to the suggested admission to the register of Army compounders, pointing out that if this took place it would endanger the present reciprocity arrangements. Mr. Woolcock mentioned that a total of 850l. has been received from Australian pharmacists towards the Belgian Doctors' and Pharmacists' Relief Fund. Delegates were appointed to the British Pharmaceutical Conference meeting in London next week. Grants amounting to 103l. were made from the Benevolent Fund. Miss Dorothy Alice Bills and David Page were awarded Jacob Bell scholarships, and the announcement was also made of the School of Pharmaey prize awards. A rearrangement was sanctioned of the subscriptions to the Royal Botanical Society and the Chelsea Physic The Local Associations Executive Committee considered the question of price-protection which is to come before the annual meeting this week of the Proprietary Articles Trade Association. The Society has been asked to assist the Chemical Society Committee of experts in examining technical inventions.

The Councillors present were: Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, W. G. Cross, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, J. P. Gilmour, A. Hagon, J. F. Harrington, J. Harrison, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, T. A. White, and J. R. Young.

ELECTIONS AND RESTORATIONS.

The minutes of the previous meeting having been read, the President said he had received a letter from Mr. J. Keall regretting his inability to be present, owing to the serious illness of his father.

A number of members were elected, and 186 members were restored to their former positions. Two names were restored to the Register of Chemists and Druggists.

The Secretary reported that be had during the past month registered thirty-five apprentices or students.

Correspondence.

The Pharmacy Board of Victoria sent a communication regarding the possibility of Army compounders and Apothecaries' Hall assistants being admitted to the Register of Chemists and Druggists. It was pointed out that the admission of persons of such inferior qualifications would seriously endanger the reciprocity provisions which exist between the Pharmaceutical Society of Great Britain and the Pharmacy Board of Victoria. The letter had been provisionally acknowledged and an extract enclosed from the President's speech on this matter at the annual meeting in May. The Secretary was further instructed to ask the Pharmacy Board of Victoria to send their protest to the Colonial Office.

Mr. WOOLCOCK reported that a further contribution towards the Belgian Doctors' and Pharmacists' Relief Fund had been received through the Queensland Government, bringing the amount of subscriptions from Australia to 850/.

The North British Branch forwarded a report of the meeting of the Executive on June 23, and also the result of the election of the Executive and officers for the ensuing year. Mr. Currer referred to the election of Mr. D. Gilmour as Chairman, and said the choice had given great satisfaction. It will be to the great advantage of the Society to have as Chairman of the North British Branch a man of such wide experience of public matters.

In response to an invitation, the Council appointed the President, Vice-President, and Messrs. Bilson, Cross, Currie, Gilmour, Harrington, and Rowsell as delegates to the meeting of the British Pharmaceutical Conference next week. Mr. Woolcock was also requested to attend.

FINANCE.

Mr. W. H. Gibson, the Treasurer, presented the report of the Finance Committee. The receipts of the General Fund during the month were 2,957l. 10s. 11d., made up as follows: Penalties and costs, 11ll. 9s. 6d.; "Journal," 47l. 1s. 2d.; B.P. Codex, 17l. 10s. 11d.; subscriptions, 250l. 19s.; registration-fees, 73l. 10s.; restoration-fees, 1l. 1s.; certificates of qualification, 3l. 19s.; election of Pharmaceutical Committees, 2l. 12s. After deducting the payments ordered at the last meeting of the Council a balance remained in hand of 1,963l. 4s. 9d. The amounts recommended for payment amounted to 1,538l. 9s. 1d., made up as follows: "Journal" and publications, 280l. 11s. 10d.; stationery, etc., 52l. 10s.; current expenses, 700l.; salaries, etc., 343l. 15s.; school and examinations, 95l. 13s.; law and professional charges, 37l. 13s. 6d.; house expenses, 28l. 2s. 6d.; library, 3s. 9d. The balances on the Benevolent Fund were as follows: Current account, 267l. 19s. 1d.; donation account, 221l. 5s. 11d.; Orphan Fund (debit balance), 20l. 5s. 2d.

In moving the adoption of the report, the TREASURER said the receipts of the General Fund were very satisfactory, and the amount received for examinations was more substantial than it had been for some years past. The balance of the Benevolent Fund was 218l., less than at the corresponding period last year. Contributions towards the fund had been received from Taylor's Drug Co., Ltd., 10 guineas; F. A. Williamson (from weighingmachine), 7s

The report was adopted.

Benevolence.

Mr. Rogers, Chairman of the Benevolent Fund Committee, moved the adoption of the report, which recommended grants to applicants amounting to 103l. This year, said Mr. Rogers, is the fiftieth anniversary of the granting of annuities from the Benevolent Fund, and although it is a difficult time to bring forward new schemes, he hoped soon to place before the Council a scheme to put the Benevolent Fund on a more satisfactory basis.

The report was adopted.

LIBRARY COMMITTEE.

The President then presented the report of the Library. Museum, School, and House Committee. The report referred to matters of detail connected with the school, library, and museums, and approved of an account for 51. 2s. for house repairs It also contained a report by the President regarding the relation of the Society to the Royal Botanic Society and the Chelsea Physic Garden. It was recommended that in future the subscription to the Royal Botanic Society should be ten guineas (it has been twenty guineas in the past), as the Botanic Gardens are not used by the students of the School of Pharmaey, but only for the supply of specimens for examinationpurposes. This subscription will be charged to the examination account. It is also proposed to subscribe ten guineas to the Chelsea Physic Garden, upon the Board of Management of which the Society has a representative. As this would be for the benefit of the students of the School of Pharmacy it will be charged against the school. The other matters dealt with in the report were the negotiations respecting the Paddington Green property and the supply of Army exemption-badges for chemists' assistants. The last matter was left with the President to deal with.

The report was adopted.

PARLIAMENTARY AND GENERAL PURPOSES COMMITTEE.

The report of this Committee stated that Mr. Gly

The report of this Committee stated that Mr. Glyn-Jones, the Parliamentary Secretary, attended and reported on the Finance Act so far as it affects pharmacy. A communication was received from the Chemists' Dental Society respecting the prejudicial nature as regards chemists of the Dentists Bill which is being promoted by the British Dental Association. The matter was referred to the Law Committee.

Local Associations Executive Committee.

The report of this Committee also formed part of the Parliamentary and General Purposes Committee's report. It stated that it is inexpedient at the present time to press for a special modification of the Drug Tariff in respect of unstarred items. There was also embodied in it a report of a conference with a deputation on price protection held on June 9. The deputation complained that no action had been taken regarding the resolution on price-protection which was forwarded to the Executive

Committee last October.

The Vice-President reported to the Conference upon the action taken by the Local Associations Executive in the matter of this resolution. He said that at the meeting of the Executive which considered the communication there were present accredited representatives of corporate bodies as well as retail pharmacists, and the questions involved were freely discussed, with the result that it was decided to send to the Proprietary Articles Trade Association a suggestion that that body should approach the Company Chemists' Association, Ltd., inviting them to co-operate on the lines indicated in the resolution. P.A.T.A. reported that they had communicated with the Association referred to, and the reply received was read to the Conference. The whole question was then discussed in all its bearings by the conference, and it was decided that a resolution should be moved at the forthcoming annual meeting of the P.A.T.A. urging Local Associations to consider what steps they could best take, locally, to increase the number of articles on the P.A.T.A. list, especially to secure that members of the Local Associations should individually communicate with non-protecting proprietors their views on this subject. It was further decided that if the resolution was carried the P.A.T.A. should be asked to request the Local Associations Executive to pass it on to each of the Local Associations, with a recommendation that the action desired meets with the approval of the Executive. The deputation was satisfied that the Executive Committee had taken action, but suggested that they should have reported before to the Price Protection Committee. The President agreed with the members of the deputation that the Executive should consider whether it is constituted on the best basis for dealing with matters not appropriate for discussion or action by the official body, and that the matter should be brought up at the next Conference. The Committee recommended that the Associations should be furnished with official guidance in regard to the filling-up of the forms to be issued under the National Register Bill.

SCHOOL PRIZES.

The remaining portion of the report of the Parliamentary and General Purposes Committee recommended the following awards in connection with the School of Pharmacy:

Botany.—Bronze medal: Ella Caird. Certificates of honour: Frank Foster Glanville, Arthur Kingsley Hall,

and Frederick John Todd.

Chemistry.—Bronze medal: Ella Caird. Certificates of honour: Wallace Trehane Stoyle, Laurance Frederick Gout, and Frederick John Todd.

Practical Chemistry.—Bronze medal: Frederick John Certificates of honour: Ella Caird, Laurance Todd.

Frederick Gout, and Henry Stephen Hoyles.

Materia Medica.—Bronze medal: Wallace Trehane Stoyle. Certificates of honour: Arthur Kingsley Hall, Ella Caird, and William Harold Stephen.

Pharmacy.—Martindale Memorial Medal: Ella Caird. Certificates of honour: Arthur Kingsley Hall, Frank Foster Glanville, and William Harold Stephen.
C. J. Hewlett Memorial Exhibition.—Ella Caird.

The report of the Parliamentary and General Purposes Committee was adopted.

JACOB BELL SCHOLARSHIPS,

The report of the Committee on the award of the Jacob Bell Scholarships was next dealt with. There were eight candidates, and of these two secured more than the minimum number. These candidates were Dorothy Alice Bills (Stourbridge) and David Page (Leicester), to whom it was recommended that the scholarships should be awarded. There were no entries for the Manchester Scholarship.

The Council confirmed the awards and passed a vote

of thanks to Mr. F. W. Gulliver, the examiner.

OTHER MATTERS.

The staff of the School of Pharmacy was reappointed. Mr. E. M. Holmes was appointed examiner to conduct the herbarium competition.

The Chemical Society asked the assistance of the Pharmaceutical Society in its new duties as a Consultative Committee to examine chemical inventions (see

p. 34).

It was also reported that the Ministry of Munitions had asked the Society to place at their disposal the laboratories of the School of Pharmacy. It was agreed to give any assistance desired.

This concluded the public business.

Trade Notes.

ETNA LIQUORICE-JUICE is a pure product offered in sticks and block by the importers, Linton, Hubbard & Andrew, 72-75 Fenchurch Street, London, E.C.

LIQUID PARAFFIN, answering the British Pharmacopœia tests and prepared from Russian oils, is offered wholcsale by Benjamin & Co., 61 St. Mary Axe, London, E.C. JAMES TOWNSEND & SONS, chemists' printers, Exeter and London, are making a speciality just now of envelopes for straw-hat cleaner, and they will send samples to our readers on application. on application.

Free Samples of the Py-Shan Points Tea are offered to chemists by Thomas Christy & Co., Old Swan Lane, London, E.C. Everybody wants tea, and this is a kind that chemists can supply them to advantage.

ROLLS OF HONOUR in connection with pharmacy are becoming numerous. We observe that the Westminster College of Pharmacy, 402 Clapham Road, London, S.W., prints the names of sixty-six students of the college who are serving his Majesty in the field.

ITEMS FOR THE TWO ARMIES are listed in Maw's page of the advertisement section of this issue. S. Maw, Son & Sons, 7 to 12 Aldersgate Street, London, E.C., keep pace with the requirements of the day, as may be judged by

perusal of the page, always interesting and topical.

HAVE YOU SEEN "FROZOCLONE"? It is eau de Cologne in solid form; it is better than a fan, and cooler than ice as a head application in hot weather. It is one of the products of R. Demuth's Laboratories, 68 Salusbury Road, London, N.W., retails at 2s., and is on the P.A.T.A.

CAMP COMFORTS are the subjects of May, Roberts & Co.'s announcement in this week's issue. Foot-powder, insectpowder, and trench-powder are the articles dealt with, and it will be noticed that the powders are put up in a most sensible form of box which is very attractive and handy

"SEND A BOX TO THE FRONT" is the legend over a patriotic sketch in the advertisement by Erasmic, perfumers, Warrington, in this issue of the C. & D. It refers to the dainty Erasmic soap sold in shilling boxes of three tablets, and chemists would do well to speak about the offer to the Erasmic representative next time he calls.

ESVACH WATER is being more used just now, pharmacists finding it a good seller in place of aperient mineral waters formerly imported from our alien enemies. Esvach Water is manufactured by the British Drug Houses, Ltd., Graham Street, London, N.. and retails at a shilling a bottle on P.A.T.A. terms. The company supply an effective display-

easel for showing it either in the window or on the counter. "LUNGPINES" is the name of the lung and chest tablet manufactured by Cupal, Ltd. Blackburn. One of the troubles that is afflicting people in this country at present (it seems to be epidemic) is a nasty bronchial cough which needs such an expectorant as "Lungpines" to ease the phlegm. The Lungpine Cough-cure is also serviceable for this. Subscribers will get full particulars about both, and the profit they bear, on application to Cupal, Ltd.

VACCINES.—Burroughs Wellcome & Co., London, were the first pharmaceutical firm to begin the manufacture of anti-They give toxic serums and vaccines in this country. They give particulars this week of the properties and prices of cholera, gonococcus, and typhoid vaccines and of anti-meningococcus serum. In connection with the announcement in this issue we venture to suggest that Burroughs Wellcome & Co. would do a service to the art of this country if they would bring together and print in book form the tapestry and similar specimens which are used to illustrate their advertisements. They form most valuable material for designers.

PRICE LIST.—The new edition of the "Catalogue of British and Foreign Proprietary Medicines, Mineral Waters, Perfumery, and Druggists' Sundries' has been issued this week by William Edwards & Son, 157 Queen Victoria week by William Edwards & Son, 157 Queen victors. Street, London, E.C. This year the sections have been rearranged, that devoted to druggists' sundries being placed arranged by the proprietary medicines list. Reference to either part is rendered easy by the use of different tinted papers for the sections. The list maintains its reputation for that clearness of arrangement and convenient size which have made it a favourite one for price reference by chemists. Those of our readers who have not received a copy of the list should send a postcard request for one.

RUSSIAN TEA was the idea that occurred to us when we received the other day samples of tea tablets and "Caravan" thirst-quenchers flavoured with real lemon which are made by Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool. We found that one of each of the tablets placed in a tumbler with a piece of sugar and filled up with boiling water made excellent Russian tea. The tea tablets are put up in boxes to retail at 6d. each, P.A.T.A. terms, wholesale price being 4s. 9d. a dozen net. supply a Union Jack poster for the tablets saying, "Tea as mother makes it for our boys at the Front... Send a tin to him!" The "Caravan" thirst-quenchers are put up in 1d., 3d., and 6d. packets; these are compressed tablets used by dissolving in the mouth, and they quench the thirst well, being slightly effervescent.

"Montserrat" Lime-fruit Tablets.—These very agreeable thirst-quenchers, manufactured by Evans Sons Lescher & Webb, Ltd., Liverpool and London, may be regarded as the palatable and popular Montserrat Cordial in conas the paratable and popular Montserrat Cordial in congealed form. The tablets are not a novelty, but there has been a much increased demand for them recently, consequent upon soldiers at home and abroad finding them so refreshing during this hot weather. Sir Lauder Brunton, F.R.S., contributes to this month's "Nineteenth Century" a fascinating article on alcohol, and in the course of it he relates from observation and personal experience of his student-days in Vienna that beer aggravates thirst during bot weather instead of quenching it, and that the best thirst-quenchers are acidulated, slightly sweetened drinks. Conse-quently the Montserrat Lime-fruit Tablets are the ideal on the march, taken either per se or added to the contents of the water-bottle.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. C. F. Hitchin, chemist and druggist, has purchased the pharmacy at 20 High Street, Uxbridge.

MR. G. A. Hebblethwaite, chemist and druggist, has removed from 24 to 16 Holderness Road, Hull.

A. S. Cheetham, Ltd., are opening a pharmacy at Royston Parade, Beckenham Road, Penge, S.E.

Mr. W. E. Garlick, Ph.C., has purchased the business of Mr. Ivor R. Phillips, chemist and druggist, Chesham, Bucks.

KERNICK & SON, LTD., manufacturing chemists, have now removed to their new premises at Old Rink Buildings,

Mr. N. H. Dannatt, chemist and druggist, has purchased the business of Dunn's, Cash Chemists, High Street, Orpington.

MR. E. T. Stanway, chemist and druggist, 10 Horseley Fields. Wolverhampton, has disposed of his business (established 1844) to Mr. W. R. Dunn, chemist and druggist, late of Oakengates, Shropshire.

Mr. Vincent Wood, manufacturer of surgical appliances and dressings, is removing on July 12 to new premises at Victoria House, 91 and 93 Newington Causeway, London, the lease of the present building at Albion Place, Blackfriars Bridge, having expired.

B.P. Notes.

By "Abel Scholar."

Nux Vomica Assay.

The alkaloidal residue, after the nitric-acid treatment pre-scribed by the British Pharmacopæia, is of an orange-red colour sometimes, and even lemon-yellow, but never white. Is it pure strychnine, or is it mixed with something else which is weighed as strychnine? Probably the latter, and, if so, a defective system.

Too Varied Acid Strengths.

The strengths of sulphuric acid required in the new B.P. are almost legion. Could not some of the volumetric solutions be utilised for such as the assay processes? In solutions be utilised for such as the assay processes? In the liquid ext. of nux vomica assay 15 c.c. of 3 per cent. by weight sulphuric acid is used, and previously three successive portions of 10 c.c. of decinormal sulphuric acid are also required. Would it not have been better to say in the former instance 10 c.c. of normal sulphuric acid diluted with 5 c.c. of distilled water?—which is practically the same or as near as does not matter.

Do we Profit by Past Experience?

It was shown many years ago that it is not necessary to remove the fixed oil from stramonium-seeds when preparing the tincture, and in the 1885 B.P. note was made of this. The extract was, however, prepared from the seeds, after the removal of the oil (and other important constituents) by means of ether, and then exhausting them with the same monstrature as was used for the tincture. with the same menstruum as was used for the tincture.
All this was changed in the B.P. 1898, the tincture being All this was enanged in the B.P. 1995, the thicture being made from the leaves and the extract from the seeds (containing the oil). The evil still remains in the 1914 work—not in the case of stramonium, for the tincture is still made from the dried leaves, while the extract has disappeared—but in the case of the strophanthus preparations, which, in the light of both recent and earlier researches, certainly require overhauling. The result is that should anyone desire to examine commercial samples of should anyone desire to examine commercial samples of these potent preparations very variable results indeed will be obtained. Milk sugar is still used as a diluent for be obtained. Milk sugar is still used as a diluent for extracts, although it has been shown to be objectionable in several ways, notably in increasing their hygroscopic character.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London. E.C. Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words). Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED,

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will

annatto. 53/29. "Lactogen" (London supply). 52/19. "Miracolco" or Hay's 152/19.

Medical Oil. 153/28. Charcoal bandages.

be appreciated. Please address us as above:

157/20. Calvari, toilet-powder
box maker (present address).

155/60. "Opon" and "Opiopon."

155/41. "Puritas" scent-spray.

159/4. Richardson's liquid 157/40. "Dr. Nabob's cough-

mixture. 158/73. Taylor & Son, makers of "Naptine" headache-powders, address.
151/11. "Glacitone" fruit pre-

servative.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The CHEMIST AND DRUGGIST, Information Department, THE 42 Cannon Street, London, E.C.:

Abyssinian beeswax, 147/53 Alpaca coats for chemists, 123/52 Eucalyptus oil, 139/39 Fluorspar, 140/49 "Nyal" remedies, 142/61 "Palatol," 126/110

"Protargol" (chemical equiva-lent), 132/39 "Rabasa," 134/12

Kanasa, * 134/12 Steel wool, 120/62 "Stomalix," 134/3 Triangular bandages, 120/6 "Uthol" compound, 144/30

See also "War Wants Exchange" in the Coloured Supplement.

Observations and Reflections.

By Xrayser II.

Duty-free Alcohol in Hospitals

takes on a very sinister aspect in the light of Mr. Glyn-Jones's great speech in the House of Commons last week. The idea has been most effectively disposed of so far as those members are concerned who heard the speech or who have taken the trouble to read it, and I shall be surprised if it is ever raised again in the lifetime of the present Parliament. One never knows, of course, what opportunities may arise in connection with Bills that are presented to the House one day, and passed the next, without opportunity for considered discussion, and there is no saying what attempts may be made by enthusiastic cranks who take up a plausible idea and go off at half-cock. But Mr. Glyn-Jones has done more than kill the idea of duty-free alcohol in hospitals: he has gone far to do the same service for any claim for

Free Alcohol in Pharmacy,

which really runs very much on all-fours with the other. Only a few weeks ago I was myself foreshadowing an extension of the notion of a reduced duty on alcohol used in medicine, but I confess my study of the subject was only of the most superficial character. An impartial view of the arguments submitted last week makes it clear that if public money is to be handed over to hospitals (or in aid of the Insurance Drug Fund) it must be done in some way less insidious, and less likely to do harm, than that brought forward last week. May I add a word expressive of admiration for the service done to the country by Mr. Glyn-Jones, and for the great ability shown by him in his singularly complete and masterly analysis of the perils of the proposal?

"An Amurath an Amurath Succeeds"

Sultans of Turkey, men who no doubt resembled each other in character as in name. We have a double variant of the phrase in the permutations by which a Gilmour succeeds a Gilmour in the chair of the Scottish Executive and in the Council of the Pharmaceutical Society. The situation is very unusual, for surely it is unprecedented to find two men of the same name exchanging positions. Unlike as the two men are in some respects—the one stern, solid, durus (Scottice, dour), the other lively, imaginative, sparkling—they are remarkably similar in this: that both are strongly individualistic, nationalistic, and argumentative (as Scotsmen usually are), and both can be very tenacious when they have a grip of anything worth holding, while both can be quite conciliatory when tact requires the iron hand to be gloved in velvet. I look forward, therefore, to a continuance of the same sane policy which has been so successful in recent years.

The First Annual Report

of the Pharmaceutical Committee for the County of London is a highly creditable, and upon the whole a satisfactory, document. It is evidence of a close, persistent, unremitting attention to our interests on the part of the Committee, and there is no point of importance within the Committee's province that appears to have been overlooked. Naturally the Report deals almost entirely with the financial side of our work—the most important of all from a business point of view, and to have been overlooked. the only one upon which any difference of opinion is possible or any serious friction exists. There is no question as to the general efficiency of our service as State dispensers; we have done our duty loyally under very difficult and unforeseen conditions, and the congratulations of the Committee are well deserved. Nor can it be said that we have unduly pressed our claim for more generous treatment: we have worked amicably in collaboration with those whose interests appear to conflict with our own, and the Committee's report of the friendly nature of its relations with the Panel Committee does but reflect our general attitude towards the profession. That attitude has, it is true, been maintained at times with some difficulty, and it is evident from this Report that difficulties have arisen between the Committees themselves. This was inevitable under an arrangement which sets them in direct opposition to each other, and it is creditable to both that the friction between them has not been more serious. The matters dealt with in this Report are too various even to be mentioned in a brief note, but there is one point that demands notice: it is the fact that the saving to the Drug Fund by the surcharging of the doctors under Regulation 40 is "nothing like proportionate to the clerical expense incurred or even compensative for the labour involved." If the Committee had done nothing more than thus demonstrate the futility of that arrangement, it would have justified its own existence.

"Clericus" on Ingredients

is completely answered in your note to his communication, but a word of thanks is due to him for illustrating so admirably the danger of falling into absurdity which besets the over-ingenious mind. The "difficulty" he raises is entirely of his own making, and in this respect it is typical of a good many others which have been raised by critics of the Insurance Act. His note suggests a question on the model of the riddles which amused our childhood: "When is an ingredient not an ingredient?" For the purposes of the Tariff, "ingredient' means simply an item in the prescription, and does not refer to the constituent parts of which the preparations entering into the mixture may be composed. It is as sound philologically as it is practically convenient thus to restrict its meaning; every preparation used, whether a simple or a compound, is rightly regarded as an ingredient of the mixture. But in any case the point is of no practical importance in reckoning the mixture's cost: the principle of the Tariff is that each item in the prescription shall be charged according to its cost, and it does not in the least matter whether it is a simple or a compound. In either case the price is a single item in the sum

A Medical Writer;

speaking ostensibly for a large section of his profession, has been challenging our right to the title of chemist. Really (he says) we are druggists only, and it was not till long after the formation of the Royal Society that we assumed the double title of "chemist and druggist," to the former half of which he objects as a false description of our calling. I am not prepared to say precisely when the double title first came into use, but it needs no great conversance with medical history, or with the literature of the sixteenth and seventeenth centuries, to justify one in saying that "chemist," if not as common as "druggist," was yet widely current in this connection long before the formation of the Royal Society, and was a natural, indeed an inevitable, result of the medical revolution effected by Paracelsus and his followers. Dealers in drugs did not at once assume the name of chemist when they began to sell chemical medicines. Abel Drugger, though he dealt in

Arsenic,
Vitriol, sal-tartar, argaile, alkali,"
was content to be called a grocer, or a dealer in tobacco,
and repudiated the title of goldsmith (alchemist); but they
who dealt in or recommended chemical medicines came
in process of time, whether they would or not, to be
known as chemists. The term, as applied to them, was
apparently at first one of reproach. There is a reference
in Bell and Redwood (p. 5) to a Dr. Anthony, which
illustrates and explains the odium attaching to the new
school of medical practice in 1602. This man was a
notable defender of "chymical preparatives." It
was more than a hundred years after this that De Foe
spoke of an apothecary turning chemist, but the process
had been going on all the time. We are the successors
of the apothecaries of those days, and did but inherit what
they acquired or had thrust upon them. Historically
"chemist and druggist" means one who deals in both
chemical and galenical medicines, and thus marks the
reconciliation of two once fiercely conflicting schools.



A NOTE OF WARNING.

In view of the congested state of the Railways, the Trade generally, and especially the Wholesale Trade, are advised to maintain larger "SANITAS" stocks, and to order as far in advance as possible, so as to avoid the delay and inconvenience which will otherwise be incurred.

THE "SANITAS" COMPANY, LIMITED, Limehouse, London, E.

BRITISH ABSOLUTE ALCOHOL.

Jas. Burrough Ltd. D.I. Cale Distillery, Hutton Rd., LAMBETH, S.E.

	D & 50	NS, Farringdon Rd., Lo	ndon, E.C.			
Finest ARROWROOT BICARB, SODA Finest Extra Special	10d. lb.	Finest Pure LIQUORICE JUICE 2 oz. and 4 oz. sticks	93/ cwt. 11d. 1b.			
BORACIC ACID POWDER Finest	44/6 cwt.	DIQUORICE I OU DEK	7d. & 1/1b.			
No. 1 Finest Pure CRUSHED LINSEED No Oil Extracted	23/cwt.	(Light Colour)	$13/\mathrm{cwt}$.			
No. 2 Pure CRUSHED LINSEED No Oil Extracted	22/cwt.	"PYLITNA" POWDERS. Genuing remedy for Piles. S				
Best Cleaned LINSEED		for Co-operation, Counter Shows, &c. 3 extra free boxes with order for 1 doz. Also 1 extra free box for Cash with order				
_ Acid at current pri	ices.		23/cwt.			
NITRE, powdered	9d. 1b.	Finest Pure STARCH POWDER	23/cwt.			
PHUR, Finest English Ditto. Foreign	19/ cwt.	Finest Purc TOILET OATMEAL. SPECIAL	35/cwt.			
Carriage Paid to railway stations within 200 miles of London (or allowance made for distances beyond) on orders of 1 cwt and upwards. Terms: Less 23 per cent. Cash or 1 month net.						

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

56 Ludgate Hill, London. REGINALD W. BARKER.

"Stretton"

The English

Natural Table Water

The Purest in the World. Copy of Analysis sent on application.

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Editorial Articles.

Cod-liver Oil Combine.

It will have been noticed from our Trade Report that a combination has recently been formed in Norway for the purpose of controlling the price of cod-liver oil. We understand that several leading firms in Bergen and Aalesund, who are holders of large stocks, are endeavouring to secure control of the market, and that one important firm of Bergen makers prefer to remain "out-As the result of this "concerted action" in various quarters, the market is spoken of as having been "cornered," but we are inclined to believe this statement is exaggerated. Previous to the formation of the combine the lowest mid-year price of finest medicinal Norwegian oil was 160s. to 165s., advancing slowly to 175s. per barrel c.i.f. in June, the market having an easy tendency, as is not unusual at this period. The combine however, immediately initiated considerable speculation, and a sudden and unexpected substantial advance was established, sellers last week quoting 260s, per barrel c.i.f. without engagement, making a rise of 85s, to 90s. per barrel, and this in the absence of any demand from abroad. On Monday of this week, however, another 20s. to 110s. was added to the price in one prominent quarter, making the quotations 350s. to 370s. per barrel c.i.f., or over 100 per cent. higher than the June value. The above price is, of course, largely nominal on this market in the absence of demand, and whether the combination will be able to maintain its position until the autumn is problematic. Such violent and unexpected advances as the above will tend to reduce consumers' requirements, and in the present abnormal market conditions hand-tomouth buying will be the best rule to follow. It is stated that Russia has been buying largely—previously it was Germany. The cod-fishing operations for the whole of Norway have now been concluded, and on the average the total results must be considered very fair, the yield having been 52,234 hectolitres of medicinal oil, against 57,200 hectolitres last year, or 4,200 hectolitres less. season the Finmarken catch, which gives a less-esteemed oil, has proved disappointing, this being chiefly due to stormy weather; on the other hand, Lofoten yielded better than last year by almost 3,000 hectolitres.

Trade in June.

The returns of exports and imports, otherwise the returns of the trade and navigation of the United Kingdom in June, were published on Wednesday, and, this being the penultimate month of the first year of the European War, the figures are of exceptional interest. The value of the goods exported and imported last month was 118,701,704\(lambda\), against a value of 106,908,063\(lambda\). in June 1914; the value of the imports is 76,117,797\(lambda\), compared with 58,281,653\(lambda\). in June 1914; and the total exports were valued at 42,583,907\(lambda\), compared with 48,626,410\(lambda\). in June 1914, and of the total 33,233,568\(lambda\), was made up of goods of British manufacture. The exports during the six months of this year were valued at 234,945,908\(lambda\), compared with

314,734,0277, in the first half of 1914. The imports were valued at 429,103,845l. in January-June 1915, and 375,903,057l. in the same period of 1914. Nevertheless, the bullion and specie imported this year has been 11,285,426l., against 9,810,913l. exported. One is apt to regard these figures in a new light now that our Government is preaching economy. In some quarters, indeed, it is urged that economy should be exercised in the use of all imported goods, the special reason for it being that money has to be exported to pay for these goods. This is fallacious. We have bought more goods from abroad than we have exported during the past two generations, the goods sent to us being partly in payment of the interest of our investments abroad. A time will come when the payment for these goods may have to be made in gold, but this is not within measurable distance; indeed, the fundamental position should enable us to go on trading and living on our credit with the world for many years longer. Nevertheless, economy in all things is the order of the times. Last month our imports of chemicals, drugs, dyes, and colours were valued at 1,408,234l., this being 317,638l. more than in June 1914, and the exports of similar goods were valued at 1,817,0121., or 266,7151. more than in 1914. The latter figures do not include re-exports, which were valued at 294,636l., or 153,616l. more than June 1914. The exports of British-made medicines were also better in value than in June 1914, when 192,727l. was the figure, while this year 208,4781. worth was exported. The total of the latter goods exported in the first half of the year was 1,368,879*l.*, compared with 1,231,340*l*. in June 1914, these figures being apart from foreign and colonial medicines re-exported, which were valued last month at 45,587l. and 248,6531. for the six months, these figures also being ahead of last year. The imports of similar goods have also much increased in value. We bought last month 249,822%. worth—viz., cinchona, 7,598%., against 2,761%. in 1914; 36,1721. of quinine, against 8,6511. in 1914; and 206,052l. of unenumerated medicines, against 96,165l. The total value of all these goods imported in the first six months is 1,255,203l., more than double of the first half of 1914. In this case the increased values are due to increased prices, although in some cases, such as quinine and other drugs specially used in war-time, increased quantities also account for the increased value. We trust that the British chemical and drug trades will continue to play the game as effectively as they have done so far. Complaints and criticisms have been passed on certain aspects of the British method of waging war, but there has never been a shadow of doubt as to the quality and supply of chemicals and medical and surgical materials required by the medical departments of our Army and Navy. This is due, we know, very largely to the efficient work of British manufacturers and merchants, and we hope that the fact will not be overlooked when the time comes to apportion praise and blame in the management of our war machinery.

Australian Trade.

THE Australian Association of British Manufacturers and their Representatives have issued a statistical statement of competitive imports received by the Commonwealth of Australia during the six months January to June 1914. Previous statements of the Commonwealth trading emanating from this body dealt with a twelve months' period instead of six months, but the Commonwealth Government have now altered the closing date of the financial year from December 31 to June 30. All future

statements compiled will be for a full period of twelve months from July to June. This, of course, renders comparisons of little value for the time being, as there are no corresponding periods. The items enumerated show the goods of foreign origin which compete with those of British make, also the value and percentage of imports from the United Kingdom, Germany, and the United States. This statement has been compiled by H.M. Trade Commissioner in Australia, from data supplied by Mr. G. H. Knibbs, C.M.G., Commonwealth Statistician, and it shows that the imports of "competitive manufactured merchandise " from all countries for the six months (January-June 1914) amounted in value to 31,256,148/., compared with 60,551,516/. for the whole of The total is arrived at after the deduction of specie, bullion, and such non-competitive items as tea, tobacco, sugar, and rice. The origins are sufficiently indicated in the following table:

From	1914 Jan. to June	Per Cent.	Whole of 1913	Per Cent.
United Kingdom Germany U.S.A Other countries	£ 19,285,214 3,592,287 3,709,393 4,699,254	61.9 11.5 11.9 14.7	£ 38,285,340 6,886,441 7,125,145 8,254,590	63 2 11.4 11.8 13.6

Details are given of the goods which are classified as competitive imports, among them being the following:

<u></u>	Total of all Countries	U.K. Origin	German Origin	U.S.A. Origin
Spirits Chemicals— Pharmaceutical Industrial Fertilisers Paints and varnishes Rubber goods Surgical and scientific instruments Oils, fats, and waxes Beverages, non-alcoholic	£ 729,206 432,188 333,126 156,888 346,154 390,489 355,840 187,201 202,036	£ 632,075 229,351 227,587 18,670 278,827 129,306 143,567 116,186 92,562	£ 70,700 53,292 41,499 34,124 11,929 115,762 48,640 4,272 5,492	£ 12,788 81,759 32,119 - 49,157 51,742 125,250 31,045 623

From this table it will be seen that the percentage of pharmaceutical chemicals obtained from the United Kingdom was 53.1, compared with 56.9 per cent. for the whole of 1913. Of the six States of the Commonwealth, Tasmania had the highest proportion of purchases from the Mother Country-59.6 per cent.; Western Australia was second with 59.4; then follow Queensland, Victoria, 43.2; New South Wales, 42.6; and South Australia, 40.1 per cent. Of the industrial chemicals, 68.3 per cent. was obtained from the United Kingdom, compared with 69.8 per cent. for the whole of 1913. Germany supplied 12.5 per cent. and the U.S.A. 9.6 per cent. Germany was particularly strong in rubber goods, her share being 29.6, compared with 33.1 per cent. from the United Kingdom. The effect of the war on these competitive imports will not be observable until statements dealing with two full periods of the financial year which ended on June 30 have been issued.

Pharmacists in the Army Medical Service.

CANADIAN PHARMACISTS, like those at home in great Britain, are dissatisfied with the conditions upon which their services are solicited for the medical department of the Army. Mr. Theo. H. Wardleworth, F.L.S., Montreal, writing to us on June 25, informs us that the status of the Army dispenser is not considered satisfactory, and it is suggested that the pharmacist should

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be given commissioned rank—in Canada, we infer—provided he qualifies in sanitation as well as dispensing. This Canadian complaint adds weight to our suggestion that an Imperial Committee of Pharmacists should be formed to deal with the whole question. It may be dealt with at the British Pharmaceutical Conference meeting next sycels.

Spirit for Hospitals.

After all, Mr. Bridgeman did call in representatives of the Pharmaceutical Society along with those of the British Medical Association in regard to the spirit for hospitals matter, and we are able to report that he considers a better understanding was the result of the interview. We have no objections to a better understanding, but we decidedly object to Mr. Bridgeman's clause being further proceeded with during the war. He received from the deputation a suggestion for relieving hospitals of the expense incurred consequent on payment of spirit-dutyviz., to return as a grant to such hospitals the amount of money expended on spirit-duty. This gets to the rock-bottom of the whole business. Mr. Bridgeman, as a faithful supporter of the Government and true patriot, should obviate further trouble by trying to get the enecessary relief for hospitals in this way, and not persist an creating dissension with his pct clause.

Keeping it Up.

In writing last week regarding the Summer Issue of The Chemist and Druggist, to be published on Saturday, July 31, we mentioned that "British Possessions over seas are depending more than ever upon the Mother Country for pharmaceutical and allied supplies," but it is not only in the British Empire that the C. & D. is recognised as indispensable to buyers of such supplies. Its reputation is world wide, and business from all parts of the world is obtained by those who advertise in it. We have been struck recently by the manner in which subscriptions to the C. & D. from Russia have been increasing. Thus this week opened with the following from a London house:

"Will you please post The Chemist and Druggist to Mr. —, Warsaw, Russia, for one year, from next week inclusive, and send the account to us?"

It will be observed, in the first place, that this note reflects the confidence of the Warsaw druggist; Germans have no terrors for him. This confidence is reflected in private correspondence from Russia which we have read, also by calls from buyers for Russia who get what they want. Consequently there is business doing and to be done. In the second place, the note shows that The Chemist and Druggist is the drug-trade journal that buyers abroad regard as representing all that is British; and, in the third place, it should inspire business houses to make the fullest use they can of our Summer Issue, which, besides going to all our subscribers, will be sent to others at home and abroad who are buyers of the goods advertised in it. Insets make very effective advertising, and our Publisher will be glad to assist in the production of these in time for the Summer Issue.

The Pharmacists' Complaint.—One of our leading pharmacists and chemists told mo (says a writer in the "Daily Sketch") that not 5 per cent, of the chemists in the Army have joined the R.A.M.C. This is by way of protest against the fact that their special qualifications get no recognition in that branch of the Army for which they are most suitable and most useful. "We could save the Government thousands of pounds in drugs and medical appliances by our practical experience and sense of economy, if only we were in responsible positions. Why should not an experienced chemist be able to get a commission in the R.A.M.C. as well as a raw student just through his Final medical? Ours is the only Army that does not recognise the full worth of the chemist."

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Spirit for Hospitals.

In accordance with the statement made in the C. & D., July 3, a private and informal meeting took place at the House of Commons on Monday afternoon, July 5, between Mr. W. C. Bridgeman, M.P. (one of the Lords Commissioners of the Treasury), and representatives of the British Medical Association and of the Pharmaceutical Society on the subject of the hospital-spirits clause to the Finance Bill, which the hon. member himself moved on the Committee stage, but which he subsequently withdrew on the suggestion of the Chancellor of the Exchequer in order that it might be brought up again on the report stage after a private conference on the subject. Mr. Bridgeman presided at the conference in place of Mr. McKenna, Chancellor of the Exchequer, who was unable to be present. The British Medical Association was represented by Mr. Bishop Harman, F.R.C.S., of London (Chairman of the Parliamentary Sub-Committee of the Association); Mr. T. Jenner Verrall, LL.D., of Bath (Chairman of representative meetings); Dr. A. Fulton (Nottingham) and Mr. E. B. Turner, F.R.C.S. (members of Council); Dr. Alfred Cox (Medical Secretary); and Dr. C. Courtenay Lord (Assistant Medical Secretary). The Pharmaceutical Society was represented by Mr. Edmund White (President); Mr. C. A. Hill (representing the wholesale druggists); Mr. C. B. Allen (London), an ex-President of the Society (representing the retail pharmacists); and Mr. W. J. Uglow Wooleoek (Secretary).

The negotiations, which were conducted in a very friendly spirit, lasted about an hour and a half. Our Parliamentary correspondent learns that the various objections to the course proposed to be followed by Mr. Bridgeman were discussed in fuller detail than was possible in the debate in Parliament. Mr. Bridgeman explained the situation to the members of the deputation, and pointed out that considerable misapprehension existed as to how matters stood.

In the view of the Chairman a better understanding was the result of the interview, and it is hoped that an agreement upon certain points (if acceptable to the Treasury) may be arrived at. At any rate, the deputation expressed sympathy with the view put before them. A suggestion put forward was that a grant, instead of a rebate, should be mado by the Treasury subject to certain regulations, and that this grant should be based upon the amount paid for duty in the previous year. It was also urged that an Advisory Committee should be appointed in order to assist the Board of Customs and Excise. Another point raised in the course of the discussion was the necessity of strengthening the definition of the word "hospital" in order to exclude undesirable institutions. The report stage of the Bill (adds our Parliamentary correspondent) is not being taken this week, but in the interim the views expressed by the representatives of the Exchequer.

Our Parliamentary correspondent states that on Wednesday Mr. Bridgeman also had interviews with Sir Laurenee Guillemard (Chairman of the Board of Customs) and Sir John Bradbury, one of the Secretaries to the Treasury, on the subject of the clause. It is stated that there is some chance of the question at issue being solved, and of meeting the objections which have been raised, without depriving the hospitals of the relief proposed. The matter has, it is understood, been left for the moment in the hands of the Government draughtsman. The report stago of the Bill will probably be taken next week, but under certain circumstances it may be necessary to re-commit the Bill in the meantime, in order to comply with the procedure of the House.

Questions in Parliament.

Mr. King asked the Chancellor of the Exchequer on Tuesday whether, in reference to the proposal to relieve hospitals from the payment of duty on alcohol used medicinally, he has consulted authorities on the temperance question as to the possible dangers of an increased use of tinctures and other forms of alcohol which must ensue if the eost of such medicines is substantially reduced.—The Chancellor of the Exchequer replied that he had not thought it necessary to take this step as he had no reason to suppose that the grant of the eoncession would lead to abuse. The effect of the proposal would be not to relieve from the payment of duty all spirits, such as brandy, used in hospitals, but only to exempt spirit used in preparing tinctures and similar preparations used in medicine.

Mr. King inquired whether the right hon, gentleman had not listened to the recent debate, in the course of which suggestions of that kind were freely advanced. Will he, in order to prevent discussion and division on the Report stage, consult some temperance authorities in the meantime?—Mr. McKenna replied that the hon, member for the Oswestry Division has that particular amendment in hand and is consulting various persons interested in the

THE NEW CLERK TO THE CROWN.

The new Clerk to the Crown-Sir Claud Schuster, who The new Clerk to the Crown—Sir Claud Schusier, who succeeds Sir Kenneth Muir Mackenzie, recently elevated to the Peerage—has already entered upon his duties in the House of Lords. Sir Claud held the position of legal adviser to the National Health Insurance Commission, after filling other important offices in Whitehall, including that of Chief Registrar of Friendly Societies. He was one of the most popular members of the staff at Wellington House, where he performed a great deal of work and presided with ability over many inquiries of a technical character, including that relating to the question of excessive sickness.

THE PRICE OF RESIDUAL PRODUCTS.

Sir Joseph Walton asked the President of the Board of Trade on Monday whether, in view of the fact that gas companies are obtaining cheaper coal owing to State intervention, he will take steps, by legislation or otherwise, with a view to bringing about a corresponding reduction in the price of gas-coke, toluol, and other residual products, and also in the price of gas to consumers.—Mr. Runciman replied that most of the gas companies work under a sliding scale which gives them a direct interest in keeping the price of gas as law as received. the price of gas as low as possible, and he does not think that any legislation in the direction suggested is necessary.

PARATYPHOID IN THE ARMY.

Mr. Tennant announced on July 1 that in the Expeditionary Force in France there had been up to May 22 297 cases of paratyphoid, with ten deaths. No figures are available to show in how many of these cases there had been inoculation against typhoid. Replying to a question by Mr. G. Greenwood, the right hon. gentleman said the disease is wholly distinct from typhoid. Further, in reply to Mr. Chancellor, he said that in the Expeditionary Force in France there had been up to May 22 1915 82. Force in France there had been up to May 22, 1915, 827 eases of typhoid fever, with 128 deaths. Of these cases 508 occurred among the uninoculated, and 106 died; of the remaining 319 eases which occurred among the inoculated 22 were fatal. The ratio of attacks is fourteen times and of deaths forty-two times greater among the uninoculated men.

Production of Calf Vaccine Lymph.

The President of the Local Government Board informed Mr. W. Thorne, M.P., in the House of Commons on July 1, that he does not propose that the production of calf vaccine shall be discontinued by his department, and steps are now being officially taken for the prevention of the slaughter of young animals. In answer to Mr. G. Greenwood, the right hon. gentleman replied that the calves which are employed and used for this purpose are slaughtered after they have been used, and if, after veterinary examination, they are found to be absolutely wholesome they are used for human food, but in no other case. In reply to a further question by Mr. Will Thorne, the President said the Board of Agriculture are not disposed to use their powers under the Slaughter of Animals Act to interfere with the necessary operations Mr. W. Thorne, M.P., in the House of Commons on July 1, of Animals Act to interfere with the necessary operations for the preparation of vaccine lymph.

University Laboratories.

Mr. Lloyd George informed Sir P. Magnus, M.P., in the House of Commons on July 1, that he is fully alive to the great importance of securing the eo-operation of scientific workers throughout the country, and of utilising, so far as prestigible, the laboratories and workshops of so far as practicable, the laboratories and workshops of our universities and technical schools for experiments in the making of munitions of war. He added: I take this opportunity of expressing my appreciation of the valuable help which is already being ungrudgingly given to the Ministry of Munitions by men of science and by scientific authorities and institutions.

Mr. Lynch: Has the right hon, gentleman observed what is being done in France in this matter by M. Albert Thomas in bringing together officers from the Front to confer with the representatives of the Academy of Sciences, and is he prepared to do something of the kind in this country?

Mr. Lloyd George: That seems to be a very admirable suggestion, and I hope to be able to do something of that kind in a very short time.

DENTISTS IN THE ARMY.

Replying to Sir J. D. Rees on Wednesday regarding dental provision and service to soldiers, Mr. Tennant stated that in some places there are specially appointed dental surgeons who devote their whole time to the troops; in others the work is done by selected civilian dental surgeons on terms arranged between them and the local military authorities, subject to a limit laid down the local military authorities, subject to a limit laid down by the War Office. A number of whole-time dental surgeons had received commissions, but there is no Army Dental Corps, and no need for one. The Government has no laboratory for supplying dentures, but in certain places, including France, there are dental mechanics' shops for making and repairing dentures. At other places dentures are supplied by civil dentists on terms places dentures are supplied by eivil dentists on terms arranged locally, subject to a maximum fixed on the advice of expert dentists. The Government is getting dentures at reasonable rates, and the taxpayer is care-

fully protected. Sir J. D. Rees: Is the right hon, gentleman quite sure that the Government are not paying for the materials obtained for the dentures manufacturers' prices, which the individual members of the public are paying, whereby the taxpayer loses the advantage which he should get from the wholesale character of these transactions?—Mr. Tennant: I have given the answer of my department. I have not personally investigated the matter, but I can assure him that the Government are obtaining these articles at reasonable prices, and that the taxpayer is being carefully protected.

Mr. Raffan: Does the War Office still adhere to the relief of referring under carefully adhere to the

policy of refusing, under any circumstances, the work of unregistered dentists, no matter how competent they may be?—Mr. Tennant: Yes. I am afraid we must

adhere to that decision.

Insurance Pharmacopœias.

WE continue the comparison of stock-mixture formulæ as given in the local Pharmacopæias, which have been issued by Local Medical Committees and Pharmaceutical Committees in connection with Insurance Act dispensing. The series commenced in the C. & D. of January 30, 1915 (p. 142). Each of the formulæ is given in a single dose, and the quantities are in parallel columns to facilitate comparison. Each column is numbered, and the names of the areas with alternative names for the prescriptions are indicated by the numbers.

Mist. Chlorodyni. Tr. chlorof, et morph, (B.P. '85) . . . Tr. chlorof. et morph. co. (B.P. '98) 7½ m_s.
3½ m,
½ oz, Tr. capsici to 1 oz. ...

1, Birmingham; 2, Sheffield (Mist. chloro-morphinæ).

Mist. Cinchonæ.								
				1	. 2	3	4	5
Ext. cinchonæ liq.		• • •			10 m.	15 m.	15 m.	5 gr.
Ammon, carb.							5 gr.	5 gr.
Potass, cit						_	_	10 gr.
Acid, hydrochlor, dil				_	_	10 m.	_	_
Acid, nitric, dil.				_	10 m.	_	_	_
Tr. nucis vom.				5 m.	_	_		
Tr. cinchonæ co.					_	-		15 m:
Syrup				_	60 m.	_	_	_
Dec. cinchon			to	½ OZ,	_	_	_	
Aq. chlorof			to		_	_	_	\$ oz.
Aq	• • •	•••	to		1 oz.	1 oz.	1 oz.	

1, Bournemouth; 2, Dorset (Mist. cinchonæ acid.); 3, Leicestershire (Mist. cinchonæ acid.); 4, Leicestershire (Mist. cinchonæ alkalina); 5, Liverpool (Mist. cinchonæ ammoniata).

	1711:	st. C	menici.				
			1	2	3	4	
Vin. colchici	 		10 m.	-	_		
Tr. colchici			_	10 m.	_	10 m.	
Tr. colchici sem.			_	-	10 m.	-	
Magnes. carb	 			*15gr.	†10gr.		
Pot. bicarb			15 gr.	15 gr.	_	20 gr.	
Magnes, sulph	 		10 gr.	-	30 gr.		
Ol. limonis	 			<u> </u>		} m.	
Aq. menth. pip.	 	to	1 oz.	1 OZ.	d oz.	-	

Copaibæ

Liq. potassæ ... Mucil. tragac. ...

Aq. menth. pip.

Aq. ... to — — — 1 oz. 1, Birmingham; 2, Bradford; 3, Dorset (Mist. colchici aperi 4, Sheffield; 5, Sheffield (Mist. colchici aperiens). Pond. † Levis. 1 OZ, 1 0Z, colchici aperiens);

1, Birmingham; 2, Bradford; 3, Sheffield.

Mist. Copaibæ. 15 m. 30 m. 15 m. 12 m. 15 m. 15 m. 30 m. to • • • • • • 1 oz. J oz. 1 OZ. ...

5,

 $10~\mathrm{m}_{\mathrm{i}}$

60 gr.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Inquiries as to Panel Practitioners.

As a result of the representation by the London Insurance Committee with respect to Dr. Barron Norman Sinclair, 195 Queen's Road, London, W. (C. & D., June 5, p. 51), the Commissioners are satisfied that the continuance of the practitioner on the medical panel for the area would be prejudicial to the efficiency of the medical service under the Insurance Act, and have directed that his name be removed from the list.

In the case of the Hampshire Insurance Committee and Dr. H. L. Grant (C. & D., May 15, p. 51), the Commissioners have come to a similar decision, and have ordered the removal of Dr. Grant's name from the panel.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND.

Berkshire.-At a meeting of the Insurance Committee on June 26 it was stated that the number of prescriptions had increased from 62,277 in 1913 to 87,844 in 1914, and the average cost had gone up from 7.77d. to 8.79d. per prescription. The Sanatorium Benefit Sub-Committee recommended that all drugs and medicines for domiciliary treatment (other than cod-liver oil and malt) be supplied (where the doctor does his own dispensing) by the medical attendant, subject to the approval of the medical adviser, and at the standard rate of 7d, per twelve doses for and at the standard rate of 1a. per twelve doses for mixtures and 6d. per oz. for inhalations and sprays, complete accounts to be returned monthly. The Panel Committee agrees. The Finance and General Purposes Sub-Committee approves of the Panel Committee's resolution that each panel practitioner may order in one year up to 1/. worth of articles on the emergency list as he may require. This is subject to the concurrence of the Pharmaceutical Committee.

Birmingham .- At a meeting of the Pharmaceutical Committee on June 28 the Secretary reported on the scrutiny of 1914 prescriptions, which shows that the Drug Fund has been burdened to the extent of 3,6437. by prescriptions of certain doctors averaging more than 2s. per insured person on their lists. The Secretary was instructed to ask the Panel Committee to investigate the excessive prescribing and report to the Insurance Committee. As the Insurance Committee is to have prescription-checking done in its own office in future, it was decided to give up part of the office at 3 New Street, retaining one room only.

Bristol.—At this week's meeting of the Insurance Committee Mr. E. F. Young, Ph.C., moved that the Medical Benefit Sub-Committee be instructed to refuse payment from September 1 for any prescription written in such a way as to deprive the insured of free choice of chemist. An amendment that the Sub-Committee consider the matter and report at the next meeting was carried by a small majority.

Burnley.—At a meeting of the Insurance Committee on June 29 the Clerk submitted the following particulars from the checker's report for the first quarter of 1915: Chemists' the checker's report for the first quarter of 1915: Chemists accounts, 9517.; average price per prescription, 6.84d.; average number of prescriptions per insured person, 0.68; and average cost per insured person, 4.63d. The figures for the first quarter of 1914 were: Chemists' accounts, 2.137l.; average price per prescription, 9.11d.; average number of prescriptions per insured person, 1.14; average cost per insured person, 10.44d. The Chairman stated that in 1914 the number of prescriptions was more than double the number of insured persons. It had dropped by about 30 per cent. The Clerk stated that the figures for 1915 were based on the population, and when those who had enlisted were removed the average number of prescriptions and the average cost per insured person would be slightly increased. The Clerk further reported that the Commissioners had been supplied with particulars to enable them to carry out their calculations regarding the emergency settlement. out their calculations regarding the emergency settlement for 1914.

Durham.—It was reported to the County Insurance Committee on June 28 that Dr. H. Hethcote and Dr. M. Wardlo have appealed to the Commissioners against the decision of the Committee to surcharge them in respect of alleged extravagant or excessive prescribing.

Gloucestershire.-The Commissioners have decided to discontinue the formation and support of District Committees in the county, with the exception of the Cheltenham Sub-Committee, which is to be recognised from August 1. The area covered by this Sub-Committee will be the borough of Cheltenham and the outlying parishes of Charlton Kings, Leckhampton, and Prestbury. It will consist of thirteen members, including one nominated by the Pharmaceutical Committee.

Herefordshire.—At a meeting of the Insurance Committee on June 27 the Chairman recalled that at the last meeting a report had been adopted to the effect that "repeat" prescriptions should only be allowed where they refer to prescriptions given in the same month. The Panel Committee now suggested that this would throw a good deal of work on doctors at the beginning of the month, and it would be preferable to arrange that repeat prescriptions should be re-written monthly from the date of the original. This was agreed to, as also was a recommendation to pay chemists 90 per cent. of their accounts as rendered for the second quarter of 1915. It was decided to ask the Panel and Pharmaceutical Committees to share the cost (10s. per 1,000) of checking and analysing prescriptions by an expert.

Hull.—At a recent meeting of the Medical Benefit Sub-Committee of the Insurance Committee the Pharmaceutical Committee drew attention to the excessive use of "Rcp. mist." prescriptions by a minority of the doctors, and suggested that after a certain date only original prescripsuggested that after a certain date only original prescriptions be passed for payment. The Panel Committee is being consulted on the matter. The Pharmaceutical Service Sub-Committee has considered a complaint against a chemist to the effect that he charged 3d. on a prescription for an insured person. The Sub-Committee found the charge substantiated, and recommended (1) that the chemist be informed that the Committee regrets that he should have exacted an illegal payment from the insured person and exacted an illegal payment from the insured person, and that the 3d. charged be refunded; (2) that the Sub-Committee consider the price fixed for the particular substance ordered is ridiculously low, and that the Tariff charge for 1913 be substituted. On the same day the Sub-Committee considered a complement that a charge for the same day the Sub-Committee. considered a complaint that a chemist company had supplied to an insured person a smaller quantity of a mixture than was ordered. The chairman of the directors appeared and asked for an adjournment of the proceedings, but in view of a pending inquiry by the Commissioners in regard to the same company this was refused. The company's chairman then left the meeting and the proceedings continued. with the result that the complaint was substantiated and the Sub-Committee recommended that it be included in the pending inquiry.

Leeds.—Chemists have been paid 82 per cent. of the amounts of their accounts for May.

Leicestershire.—The Insurance Committee met on June 30, when a request from the Panel Committee for a definite assurance that during the period of the war practitioners shall be exempt from surcharge was considered, and it was resolved to reply that the Committee has no power to give such assurance. A firm of solicitors, representing Dr. Eddy, wrote stating that the action of the Committee in surcharging Dr. Eddy was irregular, and asking the Committee to withdraw their letter stating that a surcharge would be made. It was resolved to reply that "the inquiry was conducted in accordance with the regulations."

Middlesex. - A meeting of the Insurance Committee was held on July 5, Mr. W. S. Glyn-Jones, M.P., in the chair. A letter from the Pharmaceutical Committee was read calling attention to the inconvenience caused by the lateness of doctors' surgery hours, 7 to 9 p.m., and asking the support of the Insurance Committee in having a scale of more reasonable hours fixed. On the suggestion of the Chairman, the letter was directed to be forwarded to the Panel Committee for their observations.

sheffeld.—A meeting of the Insurance Committee was held on July 7. The name of the Staniforth Pharmacy, Ltd., was added to the list of dispensing contractors for their new branch at Ellesmere Road. Sanction was given to a request by Eardley & Furnival to alter their hours as they are giving up their all-night service, because several of their assistants have enlisted. Questions as to several of their assistants have enlisted. Questions as to dispensing certain mixtures and prescribing by number only were referred to the Pharmaceutical Committee. The Clerk were reterred to the Pharmaceutical Committee. The Cicrk reported that chemists' accounts for May 1915 amounted to 1,074*l*., but only 987*l*. is in the Drug Fund. It was decided to pay 75 per cent. Payments of 11*l*. 8*s*. 6*d*. to certain chemists for appliances were recommended. In view of the urgency of completing the checking of chemists' 1914 accounts Mr. Appleton, late assistant checker to the Committee, was appointed to do the work during the illness

of Mr. Lancaster, the Committee's checker. The final financial statement for 1914 showed a deduction of 1s. 5.8d. in the pound from the chemists' accounts. Surcharges of 23l. (paid) and 12l. 11s. 9d. (held in abeyance pending an appeal) were also shown. A complaint against a medical practitioner for charging an insured person 1s. 6d. for a bottle of medicine was investigated. It was stated that the patient had not produced his medical card and agreed to pay 1s. 6d. rather than go for the card. It was decided not to ask a refund of the money. A complaint that a panel practitioner refused to attend an insured person on his list because the insured person was indebted to him was also considered, and it was agreed that the doctor should be required to pay the insured person's outlay for the necessary medical attendance. The Secretary of the Pharmaceutical Committee has notified chemists that it has been agreed with the Panel Committee that the prescribing of mixtures of the local Pharmacopæia by number only shall not be allowed. Chemists are requested to refuse to dispense any such prescriptions which may be presented. The month's alterations in prices of Formulary mixtures are: No. 44, 5d.; No. 49, 5d.; No. 63, 3½d.; No. 66, 7½d.; and No. 69, 10½d.

Stoke-on-Trent.—At a meeting of the Insurance Committee on July 1 it was recommended that the Committee share with the Panel and Pharmaceutical Committees the expense of a scheme for the checking of prescriptions at a cost of 20t. per annum. In the course of a discussion Mr. Edmund Jones (chemist) explained that the work would be done in the checker's own time. The checking is now being done thoroughly, but in 1913-14 it was not done effectively by the Insurance Committee. The Commissioners forwarded a letter submitted to them by the Pharmaceutical Committee with regard to the alleged excessive demands on the Drug Fund in 1913 and asked for the Committee's views thereon. Mr. Jones explained that the matter had been dropped by the chemists and doctors, but consequent upon a remark by Mr. Masterman to a deputation of the Pharmaceutical Society, the Pharmaceutical Committee had again gone into the matter, with the result that they discovered that the doctors had been guilty of abnormal prescribing. A copy of the report of the investigation was sent to the Panel Committee in order that they might look into the matter, and Mr. Jones maintained that if, because of that agreement to drop the question prior to this interview with Mr. Masterman, the doctors declined to make a separate report, the Panel Committee was refusing to do its duty. It was ultimately resolved to notify the Commissioners' proposals for an emergency settlement of chemists' accounts for 1914.

Worcestershire.—It was reported to the Insurance Committee on June 26 that the Pharmaceutical Committee recommended that anti-tetanic serum should not be supplied at the expense of the Drug Fund; as the Medical Benefit Sub-Committee disapproved it was agreed that the serum should be considered as part of Medical Benefit, and should be supplied at the expense of the local authorities. The Chairman intimated that the Public Health Committee desired the Insurance Committee to draw up a list of drugs for analysis.

SCOTLAND. Pharmaceutical Standing Committee.

This Committee has issued Appendix VI. to the Drug Tariff. Seven new drugs are added this month and several are advanced in price, but no counterbalancing decreases are recorded. The Committee states that the Central Checking Bureau is gradually getting abreast of the enormous amount of initial work the staff had to deal with. The attention of chemists is directed to the delay and unnecessary work that have been involved through failure to comply with the regulations as to filling up and stamping prescription-forms. Difficulty has also been experienced in pricing "repeat" prescriptions owing to the impossibility of tracing the originals. Chemists are asked to communicate any matters connected with the Bureau that require attention to their representatives on the Drug Accounts Committee, Mr. J. R. Hill and Mr. Kitchin. Particulars are also given as to the situation as regards Insurance dispensing created by the spirit proposals now before Parliament.

Aberdeen.—The report of Mr. John Johnston, checker to the Burgh Insurance Committee, for the quarter ended March 31 states that of 44,335 prescriptions, 4,509 were incorrectly priced—3,917 overcharges and 275 undercharges, the excess of the former over the latter being 217., and irregular prescriptions brought the unjustifiable charges on the Drug Fund up to 457. for the quarter. One practitioner had ordered 81 pints and 35 quarts of cod-liver oil, 34 pints of c.l.o. emulsion, and

smaller quantities of petroleum emulsion; another ordered 4 lb. of malt-extract and 4 lb. petroleum emulsion at one time.—The Insurance Committee has paid chemists 6d. per prescription for April and May, pending receipt of the Checking Bureau's report.

WALES.

Denbighshire.—The Clerk of the Insurance Committee has reported to the Medical Benefit Sub-Committee that 9,962 prescriptions were dispensed in March, April, and May (value, as checked, 238l.), compared with 10,219 in the three months ended February 28, 1915. The average cost per prescription decreased from 6½d. to 5¾d. In the quarter ended March 31, 1915, 30,538 prescriptions were dispensed (value 793l., average of each 6.31d.). In the corresponding period of 1914 the figures were 30,664 prescriptions, value 994l., average cost 8d. The 1915 figures include medicines for 1,600 insured persons previously supplied by dispensing doctors. The following figures referring to chemists' accounts were also submitted:

0 0 00 00 00 00 00									
Year	ended	UJu'y	1914.		Year er	nded	June 3	0, 191	5.
1913.				£	1914.				£
October				642	October				570
December				784	December				574
1914.					1915.				
April				994	April				793
July				759	June		***		450*
				3,179				£	2,388
				* Estin	natea.				

Chemists have been paid in full for 1915 up to May 30. In respect of 1914 there is a balance of 1407, owing. These figures appear favourable, but the cost of drugs per insured person in the county for 1913 and 1914 was higher than in any other Welsh county, and the amounts available for Medical Benefit for 1914 and 1915, according to the provisional estimate, are only 90 per cent. and 80 per cent. respectively of the 1913 income. Attention was directed to the following anomalies. The doctors in one district with 4,000 insured persons issued in the year more prescriptions than those in a district with 6,000 insured persons. Of two doctors in the same town, "A," having 688 persons on his list, issued during May 113 prescriptions (value 21, 0s. 6d.), while "B," with 675 insured persons, prescribed 204 (value 31, 15s. 11d.). This, it is stated, appears to be due to lack of supervision by some medical men as to how long the medicine should last. It was also reported that the Panel Committee decided at their last meeting that a surcharge should be made, for the medical years 1913 and 1914, on each practitioner, the aggregate value of whose prescriptions exceeded an average cost of 2s. 6d. per insured person on his list for whom chemists dispense. The Sub-Committee resolved to recommend to the Insurance Committee that the report be adopted, and that the apparent anomalies in prescribing be referred to the Panel Committee. The Sub-Committee also recommended that two members be appointed to confer with the Pharmaceutical Committee regarding the proposed emergency settlement of chemists' accounts for 1914.

Notes.

A Medical View of Surcharging.—The "Medical World" (the official organ for panel practitioners), commenting on the decision of the London Insurance Committee in regard to a complaint by an insured person that a panel practitioner refused to prescribe for her an adequate supply of bandages (C. & D., June 26, p. 58), states that the trouble in this instance arose through the short-sighted policy of the Pharmaceutical Committee in referring all and every case for investigation irrespective of the particular merits of the case. In their anxiety to exercise the power which the Act placed in their hands, they have displayed a total ignorance of the fact that the circumstances of the case may justify what on first blush may seem excessive prescribing. The "Medical World," it is stated, is not out to justify excessive prescribing, but to draw attention to the grave danger which would threaten the medical profession if the greatest care is not exercised in recommending cases for surcharge. Too frequently it proves a powerful weapon for avowed enemies of the profession. The doctor, in the opinion of the "Medical World," should at least be immune from the tyrannical caprices of any body of laymen. [The answer to this is, of course, that the Pharmaceutical Committee, in the execution of its duties under the Regulations, forwarded the prescriptions referring to the case in question to the Panel Committee for investigation, and the latter body, after full consideration of the facts, and after hearing the practitioner concerned, made the recommendation for surcharge to the Insurance Committee. The decision of the Insurance Committee in regard

to the complaint by the insured person was arrived at on the recommendation of the Medical Service Sub-Committee, which includes medical members, and which was in possession of all the facts.—Editor C. & D.]

DOCTORS AND DISPENSING .- Dr. James Grant Morrin, Hon. Secretary of the Scottish Branch of the Panel Medico-Political Union, writing in the "Glasgow Herald" on the instructions of his Executive Council, directs attention to the resolution passed by the Council of the Glasgow and West of Scotland Chemists' Association regarding the proposed application for a closing order (C. & D., June 26, is pointed out that under such an order no person could have medicine or dressings after eight o'clock at night till nine o'clock the following morning, or, in other words, a poor patient suffering acute pain would not be relieved for thirteen hours, neither would any dressings be available for minor accidents. It is a well-known fact, the letter continues, that the busiest hours of the doctor who practises among working people are between 7 p.m. and 9 p.m., and it is absurd to propose that his patients should not have their medicines dispensed after 8 p.m. It is high-handed resolutions of this kind, he says, that will strengthen the growing demand among insured persons to have their medicines dispensed, as well as prescribed, by their panel doctor. Such an arrangement, he adds, would save the expenses of costly official machinery, and would also dispel the suspicion of many insured persons that the chemist does not dispense what the doctor prescribes, and they would be more satisfied with medicine dispensed by the doctor than that dispensed by the chemist. This letter has called forth a number of replies. "Semper Vigilans" remarks: "In answer to Dr. Morrin's gratuitous and uncalled for insult to the pharmaeists of Great Britain, and Glasgow in particular, he has, in the concluding sentences of his letter, shown his and his *confrires* hand just too openly by his desire to see the dispensing-fees, as well as the medical fees, in their pockets." The writer further contends that pharmacists have given a most adequate service under very trying conditions, and it is up to Dr. Morrin and his Executive to prove otherwise. He hopes the closing of chemists' shops at 8 p.m. will become an accomplished fact, and states that it is surely an unfore-seeing doctor who finds himself short at any time of dressings (supplied gratis under the Act). "One of the Insured" states that it is the shortage of chemists' assistants, owing to the war, that decided the chemists to apply for a closing order. Dr. Morrin's suggestion, he considers, is no likely to meet with the approval of the insured. "Panel shows how wilfully Dr. Morrin has misrepresented facts by quoting from a circular issued by the Panel Committee in regard to doctors' stocks of dressings and urgent prescriptions. "Medieus," lowever, supports Dr. Morrin and "sighs for the days when his patients received their medicine before leaving his surgery.

Association Affairs.

A Social Meeting of the Dundee and Forfarshire Chemists' Association was held in Lamb's Hotel, Dundee, on Tuesday evening, July 6, for the purpose of congratulating Mr. James Robertson, Hon. Secretary, and partner in the business of Mr. Chas. Young, Ann Street, on his approaching marriage. The good wishes of the members took the tangible form of a silver tea-service, which was presented to Mr. Robertson during the evening. Mr. John Anderson (President) was in the chair, and a happy time was spent under his direction. was spent under his direction.

Association of Women Pharmacists.—The annual business meeting was held at Gordon Hall, Gordon Square. London, W.C., on June 29, Miss Margaret E. Buchanan bondon, W.C., on June 29, Miss Margaret E. Buehanan presiding. Besides the Secretaries and members of Committee several other members were present. The Secretaries' report recorded a substantial increase in the number of members and associates. The Treasurer's report was also satisfactory. Mention was made of the increasing difficulty of finding qualified women to fill vacancies. Arrangements for the coming session were gone into, and the Secretaries expressed their satisfaction with the response to their request for promises of papers to be read at the monthly meetings.

Birmingham.-The annual picnic of the local Pharmaceutical Association was held at Edgbaston Botanical Gardens on June 30, and a very enjoyable afternoon and evening were spent by upwards of fifty members and friends. An excellent tea was served. Mr. E. W. Mann, Ph.C., B.Sc. (President), expressed his pleasure at meeting so many

friends. Sir Thomas Barclay also spoke and renewed many acquaintances. After tea a sports programme was gone through and prizes competed for. The items included croquet, clock-golf (ladies' prize, Mrs. Thompson, sen.; gentlemen's, Mr. F. Davis), golf-croquet (ladies' prize, Mrs. Thompson, jun.; gentlemen's, Mr. Crofts), ladder-golf (ladies' prize, Mrs. F. Smith; gentlemen's, Mr. C. Thompson, jun.; gentlemen's, Mr. C. Thomps son), and bowling (ladies' prize, Mrs. Buckingham; gentlemen's, Mr. F. Smith). Mrs. Mann presented the prizes to the winners, and after that some members of the company continued play on the lawns, so delighted were they with the good time they had had.

Chemist-Opticians.—A meeting of the General Purposes Committee of the Society of Chemist-Opticians was held at 42 Cannon Street, London, E.C., on July 2. There were present Messrs. F. S. Horsey, S. W. Woolley (in the chair), and J. Harcombe Cuff (Hon. Secretary). Mr. H. J. Morgan, Kimbolton, was elected a member of the Society.

London (S.E.).—A meeting of the Peckham and Dulwich members of the South-East London Pharmacists' Association was held on July 6 at Mr. Marks's pharmacy, Lordship Lane, S.E., Mr. Rubbra in the chair. It was unanimously decided by all members present to discontinue forthwith the sale of Beccham's pills except in original boxes. The closing-hours as from August 3 were fixed as follows: Monday, Tuesday, Wednesday, 9.30 P.M.: Thursday, 1 P.M.; Friday. 10 P.M.; Saturday, 11 P.M. The hope was expressed that a further curtailment would come into force after the new hours have had a month or two's trial. Subject to agreement with two company pharmacies, a minimum price-list for non-protected patents, on the lines recently adopted in the Greenwich district, was unanimously agreed upon; the minimum profit fixed is approximately 12½ per cent. on cost on all non-protected lines.

Salford.-At a special meeting of the Salford Pharmaists' Association on June 24, a presentation was made to Mr. J. W. Gill, late President of the Association and the Chairman of the Pharmaceutical Committee, and to Mr. E. H. Simmons, Secretary of the Pharmaceutical Committee, in acknowledgment of their services. Each gentleman received a silver hot-water kettle and stand bearing an inscription recording that the gift was a token of respect from the members of the Salford Pharmacists' Association.

Sheffield.-The annual general meeting of the Pharmaeeutical and Chemical Society was held on July 6 in the Literary and Philosophical Society's Rooms, Mr. J. Gilbert Jackson presiding. The Sceretary's report indicated a membership of sixty-five and nine associates (eleven in the previous year). During the year four Council-meetings were held. The monthly meetings had been well attended, and the lectures delivered were well above the average in The balance-sheet showed a balance in hand of merit. The balance-sheet showed a balance in hand of 191, 14s, 11d., compared with 18t. 4s, at the end of the previous year: 10%. 10s. was given in benevolence during previous year: 10t. 10s. was given in benevolence during the year. The tollowing were elected to the Council: Messrs. H. Antcliffe, J. Austen, L. B. Henderson, J. T. Appleton, A. H. Culverhouse, and G. T. W. Newsholme, F.C.S. These, with the following, constitute the Council for the coming year: Messrs. G. C. Airey, S. Furnival, J. Gilbert Jackson, John Evans, F.I.C., C. H. Hewitt, and H. G. Williams, Mr. Bernard Ellis having retired. Mr. J. Gilbert Jackson (President) and Mr. S. Furnival (Secretary) was appointed delegates to the British Phagmacounies. tary) were appointed delegates to the British Pharmaceutical Conference in London. It was announced that two of the Society's oldest members—Mr. G. Ellinor and Mr. H. E. Ibbitt- had died during the year. It was decided that members and associates who are serving with the Colours retain their status during the war. Votes of thanks were passed to those who had contributed papers during the year, and to the Emergency Committee of the Pharmacentical Committee for their services. An official message of sympathy in his illness was directed to be sent to Mr. G. T. W. Newsholme.

AMERICAN SULPHUR.—The marketed production of sulphur in the United States in 1914 was 327,634 long tons, the greatest in the history of the industry. A statement by the Geological Survey places a valuation of \$5,924,236 on the 1914 production, or an increase of 16,044 tons, or \$474,387, over the 1913 yield.

IN THE COURSE of a lecture on high explosives at the Royal Society of Arts on July 7, Professor Vivian B. Lewes paid a tribute to the work of Mr. Walter F. Reid (who was present), who through his successful experiments in converting guncotton into smokeless sporting powder has done more for the perfecting of explosives than any man living, but in his opinion has never received the full credit for his invention.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. EDWARD H. HASSELBY, chemist and druggist, is giving up business in consequence of ill-health.

SIR JAMES DEWAR, F.R.S., has been re-elected Fullerian Professor of Chemistry in the Royal Institution for a period of three years.

Mr. H. V. Waddington, whose name appears in the Pass-list, Final L.D.S., Part 2, of Leeds University, is the third son of Mr. Herbert Waddington, chemist and druggist, Thornton, Bradford.

Mr. Herbert Lewis, F.S.M.C., D.B.O.A., chemist and druggist, manager of the Penarth branch of Boots Cash Chemists, Ltd., sails by the P. & O. line on July 24 to take up an appointment at Penang.

Mr. W. A. Kirkby, son of Mr. William Kirkby, M.Sc., F.C.S., Manchester, received the degree of Bachelor of Science in the Honours School of Chemistry on the Degree Day of the Manchester University, Saturday, July 3.
Mr. EDMUND JONES, chemist and druggist, Hanley, pre-

sided on June 28 at a meeting of the Hanley Recruiting Committee, of which he is Chairman, and read a letter from Lord Kitchener, which, he said, should be a stimulus to maintain their efforts.

to maintain their efforts.

Naturalisation Certificates have been granted to II. G. Dresing (Denmark), 120 Shooter's Hill Road, Blackheath, and 116 Platt Lane, Edgbaston, Birmingham, medical practitioner; H. M. Hanschell (Denmark), 5 Grand Avenue, Muswell Hill, medical practitioner; and R. E. L. Porcher (France), 186 Brownhill Road, Catford, perfumer.

Mr. Baheege M. Baroody, Pharm.M., of Beyrouth, the eldest son of Mr. Murad Baroody, the principal pharmacist in Beyrouth, has been studying bacteriology at King's College, London, and is continuing bacteriological research there. Mr. Baroody served his apprenticeship with his father, and subsequently studied at the American Protestian College, Beyrouth, under Professor Ladakis, graduating as College, Beyrouth, under Professor Ladakis, graduating as

College, Beyrouth, under Professor Ladakis, graduating as Master of Pharmacy. He hopes to get some experience of the drug-trade in this country before returning to his own. The "Datly Chronicle" published on July 2 an account of an interview by Mr. Harold Begbie with Sir William Crookes, O.M., who has passed his eighty-fifth year. He told Mr. Begbie that he is conscious in himself of no change of faculty during the last thirty or forty years. He can work as hard and is as interested in life now as he was then. "I feel," he said, "very much as I felt at thirty-five years of age." Sir William's views on the war are encouraging. He is, on the whole, against the use of poisonous gases by the Allies. He is quietly confident that victory will be on the side of right, and is strongly convinced of the righteousness of the Allies' cause. vinced of the righteousness of the Allies' cause.

vinced of the righteousness of the Allies' cause.

Mr. C. W. Dyson Perrins, of Davenham, Malvern, and
Ardross Castle, Alness, N.B., has recently inspected the
buildings of the new chemical laboratory at Oxford, towards
the completion of which he had contributed 5,0007... and
has now announced his intention to present to the University 25,0007. for the furtherance of the study of organic
chemistry and the promotion of chemical research in the
University under the Waynflete Professor, Dr. W. H.
Perkin, F.R.S. Mr. Perrins is a son of the late Mr. James
Dyson Perrins (Lea & Perrins, Worcester), and was educated
at Charterhouse and Queen's College, Oxford. He takes
keen interest in educational matters, is an authority on
Worcester china, is a Fellow of the Society of Antiquaries Worcester china, is a Fellow of the Society of Antiquaries as well as of other societies, and a Life Governor of the Birmingham University. His gift to the new Oxford laboratory makes it at once available for the Government policy outlined some time ago by Mr. Pearce.

Germany's annual production of cyanides before the war is estimated at 10,000 tons, value 650,000l., or about half of the world's production.—Professor P. F. Frankland, F.R.S.

From Somewhere in France a sergeant and subscriber (154/16) writes: "Just a line to thank you very much for the C. & D., which, I am pleased to say, I receive regularly every week and look forward to very much, as it enables me to keep in touch with trade matters in England. We have just finished a three-nights' march, at an average of ten miles per night. We lead a fine healthy life out here, where the grows we the disturbing the life of the receiver the construction. only the guns are rather disturbing at night-time, when you want rest. My duties mainly consist of giving what physic is required and seeing that the instruments are kept in trim. When not engaged on these duties I work as an ordinary N.C.O. Prices in most pharmacics here seem to rule very high."

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here,

42 Cannon Street, E.C., July 8, 6.30 p.m.

BUSINESS in chemicals and drugs continues fairly good, in spite of many difficulties and restrictions in the way of export. Judging by the Board of Trade returns, June was a good month, values of chemicals and the like increasing by 266,7007. Conditions in the fine-chemical market remain much as before, with prices varying from day to day; for this reason many of the quotations given below must be regarded as approximate only. English makers of bromides have withdrawn their list-prices, and foreign continue to advance in spite of some holders having fair stocks. Mercurials since June 1 have advanced 1s. $4\frac{1}{2}d$, but prices are nominal and still tend higher. Opium, morphine, and codeine remain firm. Antimonial preparations have been further advanced. Hydroquinone is firmer; acetyl-salicylic acid and phenazone are easier. Cod-liver oil has had an abnormal advance in Norway at the instance of the combination.

Higher	Firmer	Easier	Lower
Antimony preps. Cod-liver oil Formaldehyde Gamboge Mercurials Mercury Senna (Tinn.) Turpentine	Agar-agar Ammonia sulphate Glucose Hydroquinone Quinine Sarsaparilla (grey Jam.) Vanillin	Balsam Peru Copper sulphate Ergot Honey (common) Ipecacuanha (M.G.) Menthol Rhubarb (H.d.)	Balsam, Oregor Linseed oil Paraldehyde Phenazone Tallow

Cablegram.

NEW YORK, July 7.—Business in drugs is quiet. Opium is lower at \$7.00 per lb. for druggist's quality. Peppermint oil in tins is steady at \$1.60. Menthol is easier at \$2.60. Short buchu leaves have been reduced to \$1.10, and long to \$1.15. Mexican sarsaparilla is firmer at 15c., and cascara sagrada is steady at 8c. per lb.

London Markets.

ACETIC ACID.—Glacial is unchanged at last week's quotation, but 80-per-cent. commercial is steadily rising, 561. per ton ex wharf in drums being quoted; business in other strengths is negligible.

ACETYL-SALICYLIC ACID.—Parcels have been changing hands rather more freely as a consequence of the new arrivals, the value being 32s. 6d. per lb.

AGAR-AGAR.—Spot holders are firmer, sellers asking 2s. for No. 1 Kobe strip, limited supplies only being available; to arrive 1s. 10d. c.i.f. is quoted.

Ammon. Muriate.—Large crystals in casks are quoted at 40s., medium crystals 38s. 6d., and granular at 35s. per cwt. net, ex wharf London.

Ammonia Sulphate is firmer, at from 131. 15s. to 141. 5s. AMMONIA SULPHATE is firmer, at from 15t. 15s. to 14t. 5s. net per ton, naked at works, London, for 25-per-cent. ammonia; Hull, 24-per-cent. is 14t. 12s. 6d.; Liverpool, 14t. 15s.; Leith, 14t. 17s. 6d. to 15t., July-December, 15t. per ton in bags f.o.b., less 3½ per cent.

Antimonial Prefs. have further advanced, the value of crocus being 86s. and powder 89s.; antim. sulph. præcip. is 2s. 6d. per the

2s. 6d. per lb.

Benzoates.—Acid benzoic ex toluol is quoted 8s. per lb. net and sodium benzoate at 8s. 6d.

BERGAMOT OIL.—Spot prices vary from 12s. to 13s. per lb. spot and 11s. 6d. to 12s. c.i.f.

Browides.—The English makers' list prices having been withdrawn, prices are quoted on application only. Bromides from American sources have again been arriving in fair quantities, but holders in some instances are off the market. Business has been done in potassium at 8s. 6d. and sodium at 8s. per lb.; some ask more.

CAFFEINE.—Makers still endeavour to supply their regular customers with limited quantities on the basis of 18s. per lb. for the pure crystals, no contracts being undertaken.

CALCIUM CARBONATE.—Precipitated in casks is quoted at 12s. 6d. net, ex stock.

CANTHARIDES. - The value of Russian is about 10s. 6d.

per lb. on spot.

('ASTOR OIL.—French in barrels is quoted at 55s. and in

cases at 57s. per cwt., ex wharf London.
Cheoral Hydrate.—Crystals in jars are quoted at 7s.

per lb. in bond to arrive.

CINCHONA.—Further particulars of the auction of pharmaceutical bark to be held at Amsterdam on July 15 show that the 1,498 packages have a total weight of 76,538 kilos. and a quinine content of 2,126 kilos. Of the above, 68,257 kilos, are Succirubra, 10,223 kilos, robusta, and 1,860 kilos. hybrid, of which 27,184 kilos, is root-bark. The exports from Java to Europe during June amounted to 498,000 Amst. lb., against 1,578,000 Amst. lb. in 1914. The total shipments (January to June 1915) amount to 4,928,000 Amst. lb., against 7,785,000 Amst. lb., for the same period of 1914.

CITRATES have been advanced, the list quotation for potassium citrate B.P. powder or crystals being 3s. 11d.; ferri et ammon. cit. is now 3s. 8d., and ferri et quin. cit. 8\frac{3}{4}d.

to $10\frac{1}{4}d$. per oz., the latter in vials.

COCA-LEAVES.—Further particulars of the auction to be held at Amsterdam on July 15 show that the 2,691 packages weigh 144,018 kilos., the total alkaloidal content being 2,155 kilos., and the average percentage 1.50. The exports from Java to Europe during June amounted to 2,032 packages, against 2,345 packages in June 1914; the six months' exports (January-June 1915) amounted to 12,955 packages, against 16,000.

Codeine—Pure crystals have been sold from dealers' hands at 22s, per oz.; prompt delivery is scarce, makers

asking 23s.

Cod-liver Oil.—There has been no stability in quotations from Norway this week, the recently formed combination having made several sensational advances in quotations, which close at from 350s. to 370s. per barrel c.i.f., London or Hull, for finest medicinal quality without engagement. Our Bergen correspondent writes on June 28 that the Finnarken cod-fishing is now finally closed, and the total results of all the Norwegian cod-fisheries are reported as follows:

Catch of cod (millions)		1913 76.	1914 81.5	1915 67.	
Vield of c.l.o. (hect.)	76,200	48,300	57,20 0	53,000	
Yield of liver for raw oils					
(heat)	34 000	11.500	12 600	9 000	

On the market there has been a keen demand for all sorts of oil, medicinal as well as industrial qualities, and prices have risen considerably. In the drug auction eight barrels of a good brand of Norwegian medicinal oil imported in 1913 were retired at 300s., the broker intimating he would "take less."

COPAIBA.—B.P. quality in tins or cases is quoted 1s. 7d.

COPPER SULPHITE is 5s. easier at 27/. 10s. per ton for the usual Liverpool brands.

EPSOM SALT.—America reports a heavy demand for export to this side, with sales in New York at 3 cents per lb.; for prompt shipment from U.S.A. the value is about 25%, per ton; for druggist's quality on the spot limited quantities are selling at about 35%.

ETHERS.—As indicated last week, ethers made from methylated spirit were advanced 3d. per lb., making the price of s.g. 0.730 and 0.735 1s. 0\frac{3}{4}d., s.g. 0.725 1s. 2\frac{3}{4}d., and 0.720 1s. 4\frac{1}{2}d. per lb.; 12 Wrs. are \frac{1}{2}d. and drums or carboys \frac{1}{2}d. per lb. less. The advance in ethers made from pure spirit amounts in all to 11d. per lb. (2d. and 2d.), making the price for s.g. 0.735 7s. 5d., 0.720 8s. 2d. 0.750 7s. 2d. per lb. in Wrs.; 12 Wrs. 1d. per lb. less. The extra two-penny rise is due to the increased cost of spirit.

FORMALDEHYDE is selling at from 65s, to 67s, 6d. per cwt. Supplies are becoming more plentiful, and the production

in the United States is increasing considerably.

Gamboge.—The first-hand market has been practically cleared at between 121. 15s. and 131., and in second-hands up to 151. is said to have been paid for good Siam pipe.

Gualacol Carb.—Supplies are only obtainable with difficulty, and fully 19s. would have to be paid, some asking more.

HEXAMINE is quoted at from 5s, to 5s, 6d, per lb, net to arrive and about 6s, on spot.

Hydroquinone is rather firmer at 14s. per lb.

IODOFORM—Powder or crystal is quoted at from 17s. to 17s. 10d. per lb. net, as to quality, and resublimed iodine at from 15s. to 15s. 7d. net.

Lemon Oil.—Prices are very irregular, varying on spot from 5s. to 5s. 11d. per lb., with the bulk of sellers quoting the lower figure; to arrive from 4s. 9d. to 5s. 6d. e.i.f. (and in one instance 6s.) is quoted.

LIME-JUICE.—A limited quantity of new crop is obtainable at 3s. 9d. per gal.

LINSEED OIL is cheaper, pipes on spot offering at 26s. 3d. and barrels at 27s. per cwt.

LIQUORICE-ROOT is rising, owing to the absence of and difficulty in getting supplies; the value of Russian decorticated sticks to arrive is about 55s.; common natural undecorticated Persian is worth about 24s., landed terms.

Lycopodium.—The spot value is about 3s. 6d. in eases. Russia is offering at cheaper prices to come forward, but transport difficulties are a bar to business.

MENTHOL continues dull, with scllers at from 9s. 6d. to 9s. 8d. as to brand; for July-August shipment 8s. 6d. c.i.f.

is quoted for Kobayashi, and oil 2s. 7d. c.i.f.

Mercurials.—Since June 1 prices have been advanced by 1s. $4\frac{1}{2}d$. per lb. in all, makers being sellers to regular clients only in limited quantities as quotations are more or less nominal. Calomel is quoted 5s. $11\frac{1}{2}d$., corrosive sublimate 5s. $5\frac{1}{2}d$., and red and white precipitate 6s. $2\frac{1}{2}d$. per lb.

Mercury has advanced a further 35s. per bottle, closing strong at 18t. 5s. to 18t. 10s. for Spanish.

METHYL SALICYLATE is quoted at 11s. 6d. per lb. net.

MILK-SUGAR is quoted at from 70s, to 72s, per cwt. for best powdered.

Morphine.—The makers' quotation is unchanged at 13s. 6d. per oz. net for hydrochloride powder. Sales of morphino diacetyl hydrochlor. (diamorphine hydrochlor.) have been made at 18s. 6d. per oz.

NUX VOMICA.—Firm and difficult to operate in; there are ready buyers of Madras at 20s, c.i.f. New York, but 21s, is asked; to London 18s, c.i.f. is quoted. In the drug auction ten bags ordinary unwashed sold at 20s., subject.

OPIUM remains firm, and as no fresh permits are being granted to import the enemy-grown product from Asia Minor, the supply of druggists' qualities is gradually growing less, with holders asking 25s. for 11-per-cent. on the spot. It looks as if recourse will eventually have to be made to Salonica qualities for pharmaceutical purposes, but the higher price asked for such is a difficulty. Excessive rains

are still reported from the Salonica producing districts.

Paraffin (Liquid) is quoted at 8s, 6d, per gal, in 50-gal, casks for s.g. 0.865 to 0.870, ex wharf London.

PARALDEHYDE is offered at the cheaper price of 8s. per lb.

to arrive; the spot value is about 9s. 6d.

Peppermint Oil.—Very quiet, with the usual brands of Wayne County offering at 7s. 3d. and H.G.H. at 12s. 9d.

to 13s. Рнемасетим.—Business has been done at 17s. 6d. per lb.

in several quarters, with 18s. now current as lowest.

Phenazone.—The French consignment has now arrived, and supplies are obtainable on very reasonable terms.

PLATINUM stands at the nominal figure of about 91. 5s. per oz. As the Russian Government has prohibited exports, the possibility of a scarcity has to be considered.

Potassium Salts.—Bicarbonate in casks is quoted at 75s. per cwt., less 5 per cent. Carbonate, 90 to 92 per cent., 110l. per ton. Metabisulphite, 105s. per cwt. net in casks to arrive. Permanganate is quoted 285s. per cwt. on spot. Red Prussiate, in casks, 5s. 6d. per lb.

Pyrogallic Acid,—Crystals are quoted at 8s. 6d. and resublimed at 9s. per lb. net.

QUININE has shown a gradual firmer tendency of late, with rather buyers at 1s. $4\frac{1}{2}d$. for the usual Continental brands.

Resordin.—Advantage is being taken of the small stocks to squeeze buyers, but fresh consignments are on the way, when prices are expected to be easier.

SACCHARIN of 550 strength is offered at 32s. 6d. per lb. net SALICYLATES are unchanged at from 15s. for sodium powder and 16s. for crystals with freer sales; powder is also quoted 16s. to arrive. Salicylie-acid powder is still

difficult to get, but shipments have been arriving from the U.S.A. (including a ton this week), and prices ought to be a little easier; the spot price is about 15s. and 13s. 6d. to arrive.

Salol is offered at 16s, per lb. net to arrive; the spot value for prompt delivery is 16s. 6d. to 17s.

Shellac is dull and easier, with the usual standard TN quality offering at 54s. to 55s., AC Garnet at 56s. to 58s., and GAL at 56s. to 57s. on spot.

Sodium Sulphite.—Crystals are offered at 12s. 6d. per cwt. net, ex wharf London.

Sov.—The spot value of Seuloong is nominally 1s. 10d. per gal.

STRONTIUM BROMIDE is quoted at 4s. 6d. per lb. net.

Tannic Acid.—Leviss is offered at 4s. to 4s. 3d. per lb. oot. Gallic, pure, 3s. 6d. to 3s. 9d., and technical 3s. per lb.

TARTAR EMETIC is offered at 2s. 4d. per lb. net for 43 to 44 per cent. ex stock.

TERPIN HYDRATE is quoted at 2s. 8d. per lb. nct to arrive. TERPINEOL is quoted at 2s. 6d. per lb. net to arrive.

TURPENTINE has been active with wide fluctuations; the oil touched 40s. 6d. on Monday, but closed to-day at 38s. 3d. for American on spot. French on the spot is quoted 37s. 6d., and Russian ordinary and rectified at

Vanillin, after the recent reaction, is now firmer again, at from 30s. to 31s. per lb. net.

ZINC SULPHOCARB, is quoted at 2s. per lb. net to arrive.

London Drug-auctions.

Commercial Sale Rooms,

Mincing Lane, E.C., July S.

The next auctions will be held on August 12-the week after Bank Holiday.

A very fair quantity of goods offered, but business was of a meagre description, being confined to current wants. Cape aloes was neglected, with a few sales at steady prices; good Zanzibar aloes are likely to appreciate in value as exports from the source have been prohibited. Areca is more plentiful, but firmly held. Sumatra benzoin is quiet but steady; buchu neglected. Cardamoms continues practically a dead letter; calumba brought full rates. Dragon's blood neglected, with no fino reboiled on offer; Siam gamblood neglected neglect boge is cleared from first hands. Haytian and Jamaica honey was in good demand at about steady prices. Ipecacuanha was very sparingly offered, but Matto Grosso is the turn easier. Aden myrrh brought full prices for native Rhubarb quiet and neglected. Native Jamaica grey Jamaica only partly sold at 1d. advance. Tinnevelly senna sold at an irregular advance of 2d. to 3d., only small supplies being on offer. Beeswax was quiet but firm. The following table shows the quantity of goods offered and

sora:	
Offered Sold	Offered Sold
Aconite (Jap.) 10 0	Chiretta 4 0
Ajowan-seed 400 0	Cinchona 38 0
Albumen 3 3	
Aloes—	
~	Condurango 20 0
Cape	Copaiba balsam 8 0
Socotrine (kegs). 15 0	Cubebs 31 0
Zanzibar 10 0	Cuttlefish-bone 50 0
Annatto-seed 94 0	Dill-seed 6 0
Apricot kernels 15 0	Dragon's-blood 50 0
Areca 131 0	Elemi 3 0
Asafetida 15 0	Ergot 13 0
Balsam peru 10 0	Galangal 28 0
Balsam tolu 5 0	Gamboge 1 0
Belladonna-leaves, 6 0	Guaiacum 39 16
Belladonna-root 15 0	
Benzoin—	
Palembang 55 0	Henna 9 0
Siam 50 2	Honey-
Sumatra 148 14	Cuban 20 20
Buchu 22 0	Haytian 200 200
Calumba 80 20	Jamaican 623 360
	New Zealand 106 0
Camphor (ref.) 35 0 Canella alba 5 0	West Indian 6 0
Canella alba 5 0	
Cannabis indica 17 0	Ipecacuanha—
Cantharides (Ch.) 26 0	Cartagena 1 0
Cardamoms and	Matto Grosso 2 1
seed 450 18	Miras 2 0
Cascara sagrada 168 0	Kamala 18 0
Cascarilla 9 0	Kola 11 11
Cashew-nuts 134 0	Mint (rubbed) 1 0
Cassia oil 25 0	Myrrh 33 15

Offered Sold	Offered Sold
Nux vomica 20 10	Senega 2 0
Olibanum 106 0	Senna and pods—
Orange-peel 23 7	Alex 43 2
Papam 4 0	Tinnevelly 205 205
Pea nuts 1 1	Spermaceti 3 3
Puree 6 0	Tonka beans 4 0
Quillaia 50 0	Tragacanth 20 3
Quince-secd 4 1	Turmeric 456 0
Quinine (cs.) 5 *5	Wax (bees')—
Rhubarb-	Abyssinian 110 0
Chinese 121 10	China 16 0
Sage (rubbed) 1 0	East African 290 *22
Sandarac 8 0	East Indian 172 0
Sarsaparilla—	Jamaica 37 13
Grey Jam 39 16	Mombasa 18 0
Honduras 52 0	Morocco 87 0
Mexican 10 0	Mozambique 97 2
Native Jam 20 16	Portuguese 25 0
Scablae 100 0	Spanish 9 0
Seedlac 276 16	West Indian 6 1

* Sold privately.

Albumen.—Three cases Chinese egg sold at 2s. 8d. per lb. ALOES.—Cape were quiet but steady. Eight cases good seconds, part slightly drossy, sold at 52s. to 32s. 6d. and an odd case of common dull sold at 25s. Several sales have been made privately. The value of good hard Zanzibar aloes in small monkey skins is 70s, privately; they are likely to appreciate in value as the exports have been barred.

Areca is more plentiful, but very firmly held, 35s, being wanted for good clean bold, and 25s. to 30s. for bold to fair rather wormy Ceylon.

Balsam Copaiba.—For four cases clear thin Para 1s. 1d. per lb. was asked.

Balsam Peru.—For five cases of genuine 17s. 6d. per lb. net was asked, being easier.

Benzoin.—Sumatra quict; the sales comprising eight cases of fair seconds with bold white almonds at 71. 10s. Four cases of middling Sumatra brown seconds with small almonds sold at 61 10s., and a case of cross-cuts at 61., and for a cross-cat case of very fair seconds with small to bold white almonds 61. 12s, 6d. was paid. Two cases of medium to bold yellow Siam almonds slightly blocky and of good flavour sold at 25*l*. Bean and pea size was held at 17*l*. 10*s*., brown siftings in block at 12*l*., and brown dust in block at 9*l*. per cwt. Palembang is scarce, inferior thirds offering at 50s.

Calumba.—Twenty bags of good fair natural sorts sold at 22s. 6d. per cwt.

Camphor (Refined).—For 28 cases Japanese 21-lb. slabs (naval prize) 1s. 8d. was wanted, a bid of 1s. $7\frac{1}{2}d$. being refused. Five cases $\frac{1}{4}$ -oz. tablets were limited at 1s. 9d., refused. a bid of 1s. 8½d. being refused.

Cardamoms were practically a dead letter, and lower prices would have to be accepted in order to effect business. A few cases of Ceylon-Mysore extra bold fine pale sold at 5s. 2d.; good bold pale, 5s.; bold medium, 4s. 1d. to 4s. 3d.; medium good pale, 3s. 4d.; small fine pale, 2s. 4d.; small split, 2s.; and brown and split, 1s. 10d. per lb.

Cascara Sagrada.—A lot of 168 bags fair, imported in 1906, was limited at 60s. per cwt. net and gross for net.

Cuttle-fish Bone.—For fair pale E.I. sorts 9d. is asked. Dragon's-blood.—A large quantity was catalogued but had not arrived in time. Ordinary dull to middling bag-shaped lump was held at from 71. to 71. 10s. per cwt.

ERGOT.—For three bags slightly mouldy Russian 2s. 5d. net was wanted, which price was also asked for ten bags Portuguese.

Gualacum.—Eighteen packages sold at from 3d. to 1s.

per lb. for low drossy to fair glassy.

HONEY.—Jamaica was steady for good qualities, but common grades were 1s. cheaper. For fine clear amber liquid in barrels 40s. was paid; good ditto sold at 37s., and fair amber at 33s. to 34s. 6d.; fair brown liquid realised 32s. to 33s. 6d.; ordinary, 29s. 6d. to 31s.; very dark to dark liquid, 26s. to 28s. 6d. A line of 200 barrels Haytian sold at steady prices, including common to ordinary dark liquid, 25s. to 27s.; middling brown liquid, 27s. to 28s.; fair to good brown liquid, 29s. 6d. to 31s. 6d.; palish setting, 30s. 6d. to 31s. Twenty cases good set white Cuban sold at 38s.

IPECACUANHA.-Matto Grosso is the turn easier, a bale of fair bright (only two offered) selling at 14s. 9d.; for Minas 13s. 9d. was wanted. Privately Cartagena is quoted at from 11s. 9d. to 12s., and Matto Grosso at 15s.

Kola.—Nine bags of dull Ceylon halves realised 5d., and two bags fair Jamaiea went at 1s. 9d.

Myrrh.—Eleven eases of good fair native-picked Aden sold at 60s, per cwt., subject to sellers' approval; two cases bold peas went at 40s., and two cases dust at 24s. 6d. per

ORANGE-PEEL.—For fair gelatin Tripoli strip 1s. 6d. is wanted; seven cases sold without reserve at from 4½d. to 1s. per lb. for slight to badly sea-damaged.

Quince-seed.—Ordinary Cape were limited at 2s. 2d. per lb.

RHUBARB.—Quiet. Two cases Shensi piekings with three-quarter fair pinky fracture, part spongy, sold at 3s. 6d., and a case of Canton pickings went at 2s. 6d. for threequarter pale pinky fracture, part spongy. Medium and bold round sun-dried Shensi is worth 5s. 6d. Of Highdried four cases of small to medium flat with three-quarter good pinky fracture sold at 1s. 2d, being easier. Three cases of medium to bold round horny High-dried with half fair colour and half dark sold at 8d.

Sarsaparilla.-Native Jamaica was fully steady to firmer, sixteen bales selling at from 1s. 2d. to 1s. 3d. for dull red mixed to fair red, and 1s, for inferior yellow. Of grey Jamaiea, 39 bales offered and 14 sold at 2s, per lb, for fair quality, being 1d. higher than the previous sale. Honduras plentiful and neglected.

SEEDLAC.—Sixteen bags of fair Calcutta sold at 49s. 6d. per cwt., no discount.

Senna.—Tinnevelly sold at an irregular advance of from Sensa.—Tinneveny soid at an irregular advance of from 2d. to 3d. per lb., comprising good bold clean greenish (five bales) 10d. to $10\frac{1}{2}d$.; ordinary small, $8\frac{1}{4}d$. to 9d.; inferior yellowish to common small, $6\frac{1}{6}d$. to $7\frac{3}{4}d$.; dark to fair pods, $3\frac{3}{2}d$. to $4\frac{3}{4}d$. per lb. Of 18 bales Alexandrian pods, two sold at 1s. 7d. per lb. for slightly dark and partly torn pods.

Spermaceti.—Three cases American refined sold without reserve at $8\frac{1}{2}d$. per lb.

WAX, BEES'.—Jamaiea was steady, 13 bales selling at 81. 5s. per cwt. for fair red and brown mixed; dark was obtainable at 81.; six bags Moroeco had been sold privately; 71. 2s. 6d. was wanted for fair. East African was limited at 71. for fair brown black.

Arrivals of Chemicals, Drugs, etc.

During the period June 30 to July 6, inclusive, the following produce from the places mentioned in parentheses has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

To London.
Acetic acid (Rotterdam) cks. Acetic acid (Rotterdam) cks. 47, (N. York) brls. 162
Acetone (N. York) dms. 134
Agar-agar (Osaka) pkgs. 42
Albumen (Chinn) cs. 152,
(Singapore) cs. 36, (Alexandria) cs. 300, (Bombay) 39
Alcohol wood (N. York) dms. 52
Alocs (Mossel Bay) cs. 6
Annatto (Copenhagen) tanks 5
Annattoseed (Magres) 15

Annatto-seed (Madras) 19 Antimony oxide (Shanghai) bgs.

Arachis oil (Cochin) cks. 152 Argol (Barcelona) pkgs. 80 Arrowroot (Halifax, N.B.) pkgs. 3 100

Balsams (Montreal) cs. 10
Barytes (Tarragena) hgs. 400
Calcium tartrate (Marseilles) sks. 90
Calumbar-root (Bombay), bgs. 196

Camphor, ref. (Kobe) es. 75 Camphor oil (Kobe) es. 520 Canary-seed (Morocco) bgs. 144 Capsicums (Bombay) 100 Carbon tetrachlor. (Marseilles)

Cardamoms (Colombo) 67 Casein (Bordeanx) bgs. 134 Cassia-bark (H.-Kong) bls. 100, (Japan) 350 Castor oil (Marseilles) pkgs. 120

Chemicals, medicines, per-fumery, etc. (N. York) pkgs. 830, (Boulogne) pkgs. 52, (Marseilles) cks. 25, (Mon-treal) brls. 40

treal) brls. 40 Chewing-gum (N. York) cs. 115 Chlorophyll (Copenhagen) cs. 10 Cinchona (Tuticorin) bls. 18, (Coehin) bls. 33, (Calicut) bls.

Cinnamon (Colombo) bls. 200 Cinnamon oil (Marseilles) cs. 10 Citric acid (Marseilles) kgs. 30, eks. 20

Citronella oil (Colombo) dms. 25 Coconnt oil (Colombo) pkgs. 1.234, (Cochin) pps. 41, hds. 112, cks. 197, cs. 2,237, (Mar-seilles) cks. 187

Cod-liver oil (Christiania) brls. 5, (Rotterdam) cs. 50

Convallaria herb (Amsterdam) Coriander-seed (Casablanca)

bgs. 300, (Marseilles) 43 Cream of tartar (N. York) cks. 20, (Bordeaux) cks. 134, (Marseilles) eks. 5

Cumin-seed (Morocco ports) ogs. 2.538

Dextrin (Boston) 1 gs. 220 Drugs (N. York) pkgs. (Boulogne) cs. 7

(Boulogne) cs, 7 Dyes (N. York) pkgs, 84, (Boulogne) pkgs, 32 Epsom salt (N. York) brls, 100 Essential oils (Amsterdam) es. 4, (H. Kong) cs. f0, (Marseilles) ck, 1, drms, 11, cs. 98 Fenugreck-seed (Marseilles) 10 Flower waters (Marseilles) pkgs, 110

Formaldehyde (N. York) brls.

Galls (Shanghai) cs. 104 Gelatin (Paris) bls. Geranium oil (Marseilles) es. 10 Ginger (Calicut) bgs. 1,141, es. 302, (Cochin) bgs. 100, (Bombay) bgs. 625, cs. 15

Glycerin (Natal) dms. 63 Gum chicle (Montreal) bgs. 100 Gum copal (Singapore) bkts. 139 Gum damar (Alexandria) bgs. Gum kauri (Auckland) cs. 620, sks. 508

Gum sandarac (Morocco) bgs. 54, brls. 126

54, bris. 120 Gunis, undescribed (Mogador) bgs. 25, pkgs. 37, (Marseilles) pkgs. 23 Honey (N. York) brls. 20, cs. 20, (Δuckland) es. 277 Hadrogen paperide (N. York)

Hydrogen peroxide (N. York)

cs. 20
Indigo (Madras) cs. 56
Lactic acid (Boston) brls. 67
Leaves, medicinal (Marscilles) cs. 48, bls. 71; leaves and roots bls. 110; seeds bgs. 307
Lemon oil (Roucn) cs. 8
Lemongrass oil (Cochin) dms.

Linseed (Morocco) bgs, 240 Liquoriee juice and root (Mar-seilles) cs. 12, bls. 24 Lithopone (Rotterdam) eks. 195 Mastich (Marseilles) 38 10

Menthol (Japan) es. 50 Mineral waters (Marseilles) es. 1,300

Mint oil (Japan) cs. 100 Nux vomica (Calicut) bgs. 80 Olibanum (Bombay) cs. 289 Olive oil (Marscilles) cks. 7

pkgs. 2,480, es. 391, (Tarragona) brls. 40 Opium (Marseilles) es. 24 Orange-peel (Marseilles) bls. 37 Oxalie acid (Fredrikstad) eks.

Panopepton (N. York) cs. 100 Pepper (Calicut) bgs. 791 (Alexandria) bgs. 1,500

Peppermint oil (Boston) bxs. 35,

reppermint oil (Boston) bxs. 35, (N. York) es. 10
Perfumery (Dieppe) cs. 19
Petroleum emulsion (Boston) bxs. 3,115, ½ brls. 44
Phosphate rock (Fernandina) tons 3,964

Potash binoxalate (Frederikstad) kgs. 40

Potash bromide (N. York) cs. 100

chlorate (Marseilles) Potash 6 kgs. 500

Potash eyanide (N. York) cs. Potash iodide (Japan) es. 30

Potash prussiate (Paris) ck. 1, (Marseilles) cks. 13 undescribed (Gothen-

Potash, undesc burg) brls. 20 Quinine sulph. (Amsterdam) es.

95 Rape-seed (Bombay) bgs. 3,422

oil (Japan) Rape-secd 10,480

Rose oil (Bombay) pots 2 Rosin (Valencia) 320 Saccharin (Rotterdam) cks.

Sandalwood (Calicut) bdls. 384 Senna (Tuticorin) bls. 82, (Alexandria) bls. 74, pkgs. 25 Soda hyposulphite (N. York) pkgs. 1,528, brls. 119, kgs. 3,024

Soya-bean oil (Shanghai) pkgs. 90, (Japan) cs. 14,040 Sperm oil (Japan) cs. 1,000

Tamarinds (Bombay) pkgs. 21 Tartar (Marseilles) bgs 153 Tartar (Marseilles) bgs. 153, cks. 45, (Barcelona) brls. 117

cks. 43, (Barcelona) bris. 117
Tarturie acid (Murseilles) kgs.
49, cs. 83
Turmerie (Cochin) bgs. 440,
(Bombay) 299
Turpentine (Bordeaux) cks.

1.312 Vanilla (Marseilles) es.

Wax, bees' (N. York) bgs. 136, (Rotterdam) pkgs. 45, (Rotterdam) pkgs. 45, (Morocco) pkgs. 354, (Rangoon) bgs. 32, (Alexandria) pkgs. 48, (Marseilles) pkgs. pkgs. 48, (Marselles) pkgs. 348, (Spain) bls. 11, (Bombay)

pkgs. 21 Wax, undescribed (Marseilles) pkgs. 1,390

pkgs. 1,390 Wax, veget. (Japan) 500 Whale oil (Natal) dms. 40, (Kobe) cs. 500 Wood oil (Shanghai) cks. 1,615

Zinc oxide (Rotterdam) cks. 150, (N. York) 1,050
To Liverpool.

Acetic acid (N. York) brls. 140 Albumen (Shanghai) cs. 269 Antimony reg. (Shanghai) cs. 1.250

Balsams (Para) es. 16 Bergamot oil (Palermo) cs. 2 Boric acid (Leghorn) brls. 45 Caleium tartrate (Piræus) bgs. 300 Canary-seed (Santander) 50

Cassia oil (H.-Kong) cs. 36 Citric acid (Palermo) cks Coconut oil (Bombay) br brls. 59. (Singapore) pkgs. 466 Cottonseed oil (China) dms. 493

Cream of tartar (Palermo) cks 15, (Bordeaux) cks. 13

Drugs, etc. (Havre) cs. 18, (N. York) cs. 128 Egg-yolk (China) cks. 1,393 Epsom salt (N. York) bgs. 152 Essential oils (N. York) cs. 14 Fellows' syrup (N. York) cs. 915 Galls (Shanghai) cs. 100

Gambier (Sinanghai) cs. 100 Gambier (Singapore) cs. 2,265, bgs. 143 Glucose (N. York) brls. 299 Ground-nuts (Bissau) tons 734 Gum acacia (P. Sudan) bgs. 2,501

Gum copal (W.C. Africa) bgs. 568, (Singapore) 75 Gum damar (Singapore) bgs. 1,566

Illippe-nuts (Singapore) bgs. 2.145 Indigo (Shanghai) brls. 6 Lactic acid (Boston) brls. 69 Lead acctate (N. York) brls. 29 Lemon oil (Palermo) cs. 10 Linaloe oil (N. York) cs. 16

Liquorice (Naples) pkgs. 148 Lithopone (Rotterdam) cks. 156 Maize starch (Rotterdam) es.

Medical and surgical goods (N. York) es. 33 Medieines (N. York) pkgs. 195

Milk-sugar (Holland) es. 205 Mineral waters (Bilbao) es. 50 Mineral white (Bordeaux) bgs. 500 Myrabolans (Bombay) pkgs.

14,948 Olive oil (Malaga) brls. 581,

(Bordeaux) cs. 116 Palm-kernels (W.C. Africa) bgs.

26,327 Palm oil (W.C. Africa) cks. 2,812

Pepper (Singapore) bgs. 845 Perfumery (Havre) cs. 7 Petrolcum jelly (N. York) cs.

500 Phosphate rock (Bougie) tens

2,600 Quebracho (B. Ayres) bgs. 11,460 Rape-seed (Karachi) bgs. 2,480

Rice starch (Rotterdam) es. 560

Roots, barks, herbs, cre. (N. York) pkgs. 275
Rosin (U.S.A.) brls. 8,350, (Bordeaux) cks. 335
Senna (P. Sudan) bls. 12
Soda carbonate (N. York) brls.

Soda hyposulph. (N. York) brls. 54

Soy (H.-Kong) cks. 100 Soya-bean oil (China) dms. 145, (Dalny, etc.) cs. 8,000, dms. 918

Sulphur oil (Spain) brls. 121 Tartarie acid (Naples) brls. 170 Tetanns antitoxin (N. York) cs. 11

Turpentine (Savannah) cks. 750 Wax, bees' (Shanghai) cs. 53, (Rotterdam) 11

Wax, carnauba (Parnahyba, etc.) bgs. 1,144, (Para) bgs. 1,128

Wax, undescribed (Marseilles) bgs. 82 Wine-lees (Bordeaux) bgs. 98

Yellow berries (Marseilles) bgs. 282

Zine oxide (Rotterdam) cks. 26, (N. York) 800

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date of June 17 and 19:

AGRAGAR is again higher; finest costs m.950, and current qualities are obtainable at from m.875 to m.900 per 100 kilos.

Balsam Peru meets with renewed interest, and has been sold at from m.33 to m.35 per kilo.

CANTHARIDES are in rather active demand at advancing

Carbolic Acid.—Crystals have again advanced; makers of 40-per-cent. ask about m.150 per 100 kilos., and higher prices are expected.

ERGOT is quiet, but firm, at m.6.50 per kilo. for Russian and Hungarian.

Gum Acacia.—Kordofan especially has met with more interest at from m.130 to m.135 per 100 kilos., according to

Gums and Resins.—Business was quieter in May than during the preceding months, this being due to the holidays. Siam *Benzoin* was in active demand for all descripdays. Stain Berson was in active demand for an descriptions, especially at the end of May. Bold almonds are offered at from m.15.50 to m.16; medium to bold at m.14; small at m.13.50, m.13 down to m.12.75, as to quality. The demand for Sumatra was less active, though fair quantities have changed hands, including fine almondy seconds, tities have changed hands, including time almondy seconds, at m.365, medium almondy at m.35, and ordinary seconds at from m.285 to m.295. Palembang has been offered at m.210 for fair and m.188 for ordinary sorts; no business has been done however. The increased demand for hard sorts of Copal show that good solvents have been found for them. Especially the better Congo sorts were in active them. demand, and have been sold at m.230 and at m.185. Medium Congo have been sold at m.155, m 135, and m.118. For common Congo sorts from m.75 to m.80 has to be paid; stocks are sufficiently large to meet the demand. The cheap II. and III. sorts of African copal are wanting; III. Benguela is still to be had at prices varying between m.38 and m.65; but little interest is shown. Medium Benguela is quoted at from m.90 to m.135; fine hard, pale Bengucla at from m.200 to m.275, as to quality. Fair Angola is to be had at m.215 and m.180; medium at from m.140 to m.135; Zanzibar at m.285; pickings at m.90; Cameroon at from m.90 to m.87.50; natural Brazil in pale tear at m.90. Demerara is neglected, though fair quality can be had at m.230. Hard Manila is quoted at from m.95 to m.110. Manila and Batjan copals, soluble in spirit, are firmer, and were in active demand at the end of May; pale sorts sold from m.99 to m.105. Cameroon resin is inactive at from m.95 to m.100 for pale sorts. Damar; further imports have been received. Mixed Batavia A/E was sold at m.240; selected sorts were higher, A. being sold at m.310, B. at m.295, C. at m.280; E. is offering at from m.128 to m.135. Finest Padang has been sold at m.285, good firsts at m.255, and good seconds from m.175 Ordinary Padang is quoted at from m.115 to to m.190. Ordinary Fadang is quoted at from m.115 to m.155. Brown and black Sumatra damar, of various qualities, is offered at m.65, m.60, m.58, and m.45. *Dragon's blood*: fairest lump has been sold at m.500 and fair at m.350. *Elemi* is in moderate demand, and is obtainable at from m.88 to m.92 for pale paste and from m.80 to m.84 for ordinary. *Cambage* is unphanced and neelected offerat from m. to in 1.52 for pare passe and from m. to to inco-for ordinary. Gamboge is unchanged and neglected, offer-ing at m.590 and m.630, as to quality. Mastich is firmer at from m.8 to m.8.25 per kilo. Good pale Sandarae is scarce, but inactive; for medium from m.140 to m.155 has been paid and ordinary from m.105 to m.110.

IPECACUANHA also meets with more demand. Cartagena is quoted m.37 and Rio at from m.42 to m.43 per kilo.

MENTHOL is somewhat easier at m.34 per kilo.
Oils (Essential).—Star-anise is obtainable Bergamot is quoted at m.40. Cassia is without interest, and from m.8.75 to m.9.50, according to c.a. content. Eucalyptus is quoted at m.4.75 per kilo. Lime is in acceptance. demand, but prices have not advanced so much as was expected; it is obtainable at m.21. Orange is quoted at m.22. Japanese Mint is still m.12.50 per kilo. Siberian Pinc-necdle is obtainable at m.350 per 100 kilos. East Indian Sandalwood has advanced by about 10 per cent., and costs from m.48 to m.50 per kilo.

STRYCHNINE.—In consequence of the higher prices of nux vomica, prices were advanced by 15 per cent. on June 10.

Tartaric Actor is quoted at from m.8 to m.850 per kilo. for crystals, and from m.8.75 to m.9 for powder in Hamburg. According to reports from Berlin it is still adburg. A

WAXES.—Carnauba is very firm, with only small stocks. Fatty grey costs m.465 per 100 kilos.: sandy-grey is wanting. Japanese is higher, and is not obtainable below m.200 ing. Japanes per 100 kilos.



Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C, & D. Diary" before asking the Editor for information, so as to save time.

How can Dispensing Chemists Help?

SIR,-Possibly a discussion in your columns as to the ways in which chemists can help the nation may serve as useful a purpose as bewailing the present condition of pharmacy. Are all chemists doing their bit? I would suggest that:

1. All assistants of military age be released even to the point of sacrifice.

2. Schoolboys be employed for errands.

3. Reduce stock, exchange patents, use up odd bottles, turn out old tinctures, and recover the spirit; do everything for economy.

4. Don't hang on to business, but join something—V.A.D., V.T.C., special police, special firemen, and learn to shoot. These things may or may not be required, but the effect on the individual is good.

Let us rise above our reputation of counter-stickers, and realise that it is better to show sympathy with national efforts than to gain a few shillings by keeping open after our neighbours are shut.—Yours, Fall IN. (155/11.)

The Eucalyptus in Italy.

Sir,—"Xrayser's" remarks on the cucalyptus-tree in Italy reminded me of what was possibly its first introduction to Italy. A legend states that St. Paul, being a Roman citizen, could not be crucified as other Apostles were, but could claim the proud Roman privilege of death by the sword. He was beheaded three miles out, on the Ostian Way. his head resting on a block formed of part of a column of a heathen temple. His head on falling to the ground bounded three times ere coming to rest, and from the spots touched sprang fountains, the first hot, the second tepid, the third cold, all within three yards of each other. These led to pilgrimages, to churches being erected, and to a monastic settlement, which, being in a malarial district, annually decimated its inmates to such an extent that it was for some time used as a penal station for monkish misdoers. About seventy years ago a travelled inmate of this monastery had a vision, in which he was informed that a grove of eucalyptus-trees round the monastery would end the plague of malaria The trees were planted, and the malaria vanished, which accounts for the presence and popularity of eucalyptustrees in malarial Italy. The monks make all sorts of liqueurs out of the eucalyptus—green, yellow, and clear also Trappist chocolate, which is recommended to put away the too clinging taste of the liqueurs.—Yours truly. M.P.S. (156/52.)

Why the Fee should Not be Abolished.

SIR,—A fortnight ago one of your contributors, cussing the Insurance Act, suggested that in a new National Tariff no dispensing fee be allowed on drugs or preparations usually stocked in bulk, as no special skill is required in dispensing them. I held a similar opinion, but circumstances between public metaboard. dispensing them. I held a similar opinion, but circumstances have compelled me to change it. I engaged an elderly assistant, who came with a good dispensing reference, under the impression that age would at least have brought steady reliability. I put him straight to counterwork and dispensing, so that I could put things (which had fallen back somewhat) into better order. In a very short

time, owing to inaccurate dispensing, etc., I had to take him entirely off dispensing, to watch every article that he served, and to keep my eye on his putting up of stock. Among other things, he gave medicine to wrong customers, served out the wrong stock mixtures, wrongly labelled stock mixtures, and misread simple prescriptions—c.g.. "Lin. saponis" for "Lin. sinapis," "Mist. sodæ sal. 3iv." for "Mist. sodæ sal. 3viij." He put up 7 lb. of Glauber salt "Mist, sodie sal, 3vij." He put up 7 lb. of Glauber salt as Epsom salt, and explained that he had not read the label "Sodii Sulphas" on it: he left all the chalk in diarrhœa-mixture to one set of bottles, and very little in another set, not shaking the stock bottle to a reasonable extent; he gave Castile soap for caustic soda, and was getting ung. sulph., and on another occasion ung. boric., instead of ung. hyd. ammon., although the white precipitate instead of ting, hyd, animon, atthough the winte precipitate is labelled with a particularly large label. Over the general business details I will pass, as they do not concern dispensing. Now, it seems to me that use has dulled our perception of the skill we have had to acquire in order to perception of the skill we have had to acquire in order to read the prescription and the directions, and, in many cases, to give instructions for use which the doctor has not given, even in the simple case of "Ol. olivæ 3ji, sj. t.d.s." If skill has to be used in this way, it should be paid for. Boric acid and other bulk powders, tablets, and ointments should all have an acknowledgment of dispensing skill, which has to be used in deciphering the occasional scrawl. Your contributor did not note the Tariff prices, which are much below the ordinary retail prices, and which yet call for all the extra clerical work of the Insurance Act as well. The insistence on the value of our dispensing requires strengthening, not weakening—Yours faithfully,

One of the Elect. (E77/15.)

ONE OF THE ELECT. (E77/15.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Advice Wanted.

"Will any civilian dispenser attached to a small military hospital kindly state through this column the mode of pronospital Kindy state through this cete, to wholesalers, which Army forms and vouchers to use, etc.?"—Dispenser (156/14).

Are Pharmacists Skilled Men?

"Thinking to do their little bit for King and country, two pharmacists walked into the municipal hall of a town 'somewhere in Lancashire.' Presenting themselves at the door of the recruiting-room, they were confronted by an 'educated' young man who asked them their business. They explained to him they were willing to apply any spare time to munition-working, and they were then asked the nature of their occupation. 'Pharmacists,' was the reply, whereupon, with a disdainful smile, the young man said, 'No; we want skilled men.'"—Myristicus (155/28).

A True Story and a Warning!

"Last Saturday morning a young fellow, aged about 23 and 5 ft. 8 in., in a respectable brown suit and straw hat, rushed into my shop in a western suburb of London to say a neighbour of mine had sent him to say there was fire coming out of my back window. I rushed out. No fire, Heard shop-door bang, returned to shop. My young friend had gone round the counter and emptied my till! Now, I don't want to know what your readers 'would have done in like circumstances,' but I do want them to try to spot this man. He might try it on with someone else. He is sure to go to a small shop-keeper, and preferably a single-handed one. I have spent the week-end in making up suitably fitting epithets for myself, but without success. My only consolation is that I'd rather lose the money than be the thicf."—A Prize Medal Ass (155/26).

Miscellaneous Inquiries.

F. H. D. (117/19).—Cement for clina and glass:

Gelatin			5	OZ.
${ m Water}$			4	OZ.
Glacial acetic	acid		6	dr.
Carbolic acid			20	gr.

Soften the gelatin in the water, dissolve on a water-bath, and add the other ingredients.

 $F.\ N.\ C.\ (133/39)$,—Preventing Dog-nuisance.—The best methods of preventing dogs urinating on shop-fronts seem to be to sprinkle a little powdered ammonium carbonate round about, or else place little vessels of drinking-water for the dogs in the doorway of the shop.

J. IV. (154/6).—"Liver pills" and "Head and stomach pills" are not in themselves descriptions which make medicines liable to stamp-duty, but medicines so described may be made liable—for example, by claim to proprietary right. See "Body Names" in C. & D. Diary, p. 418. In the case reported last week the medicines were not made liable by the titles alone.

Heaton (145/39).—Lime-cream.—See C. & D., October 17. 1914, p. 62, and March 8, 1913, p. 128.

P. H. G. (131/33).—Tomato-sauce.—See C. & D., April 5, 1913, p. 72.

G. O. (132/26).—Grip for C. & D., March 21, 1914, p. 67. (132/26).—GRIP FOR GOLF-CLUB HANDLES.—See

M. W. (134/67).—HAIR-DYE.—The following is a good formula for a one-solution hair-dye, the tint obtained varying with the dilution, which can be ascertained by experimental work on loose hair:

(a) Cupric chloride Distilled water 11 oz. Solution of ammonia (0,880) ... 5 oz.

(b) Pyrogallic acid ... Hydrochloric acid ... 3,000 gr. 221 oz. Distilled water ... 32 oz.

Add (a) to (b), stirring constantly; then add very slowly, still stirring vigorously-

Solution of ammonia (0.959) ...

After well mixing, stir in-

Hydrogen-peroxide solution (20 vols.) 16 oz.

and make up to 1 gal. with distilled water. Keep for at least fourteen days in a wide-mouth jar open to the air, stirring several times a day.

N. M. & Co. (India) (88/40).—(1) DEODORISING COCONUT Ol.—See C. & D., October 11, 1913, p. 584. (2) The tasteless variety of castor oil is made from decorticated seeds, and is not purified afterwards. (3) Hair-Dye.—See reply to "M. W." (134/67). (4) The last edition of "Pharmaceutical Formulas" was published in 1914.

Co. (India) (131/67).—(1) INSECT-POWDER.—The best general powder is ground pyrethrum-flowers. (2) Vis-COSE BOTTLE-CAPS are the subject of a patent, and cannot be made by any other than the owner of the patent. (3) FEVER-MIXTURE for general sale:

Antim. tartarat	t,		gr. ss
Potass. nitrat.			Эij.
Liq. ammon. a	eet.		žiij.
Syr. aurantii			5ss.
Aq, camphoræ	ad		Zvili.

Dose: One-eighth part every four hours.

E. J. H. (133/1).—NINE Oils used by sheep-shearers for applying to cuts:

Train oil			5XVI
Oil of turpentine			Jiv.
Oil of amber			5ss.
Oil of bricks (red	oil)		Jss.
Oil of origanum			5ij.
Oil of lavender			
Barbadoes tar			31j. 3iv.
Spirit of eamphor			₹j.
ix.			

J. W. (145/55).—There is no legal standard for baking-

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 15, 1865.

Gossin.

On the 23rd ult. a fire broke out in the chemical-stores of Mr. Atkins, Castle Street, Salisbury, when damages were done to the extent of about 500l. The loss is covered by insurance.

insurance.
Mr. W. H. Wallworth will in future carry on the business of dispensing chemist lately conducted by Messrs. Foulkes and Wallworth, 38 Argyle Street, Birkenhead, Mr. Foulkes having retired from the firm.
The prizes for Analytical Chemistry at University College, London, for the session 1864-5 were distributed as follows: Gold Medal and First Certificate.—J. J. Bourey, of London, Certificates.—2. Charles Graham, of Berwick-on-Tweed. 3. Manning Prentice, of Stowmarket. 4. Y. Yamaou, of Japan. 5. K. Endo. of Japan.

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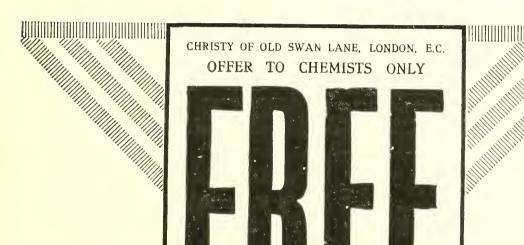
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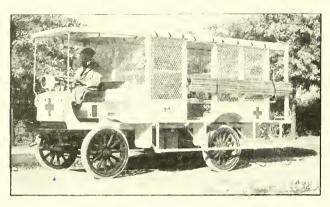
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Acid Acetylo-Salicyl. 1 lb. @ 30/- lb.,

Boric Pulv., 3 cwt. @ 40/- cwt.; 1 cwt. @ 43/- cwt.; levigd. 3/- cwt. or id. lb. extra., Citric, cryst., B.P. 25, 7 lbs. in bags @ 3/9 lb.; powder id. lb. extra.

lb.; powder \(\frac{1}{2} \)d. lb. extra.

Diethylbarbituric, 1 oz. \(\tilde{0} \) 3/6 oz.

Hydrocyan. P.B., 6 lbs. \(\tilde{0} \) 1/3 lb.; 1 lb. \(\tilde{0} \) 1/6 lb.; 36 1-oz. Vials \(\tilde{0} \) 3/9 doz.

Phosph. Dil., B.P., 7 lbs. \(\tilde{0} \) 5d. lb.

Salicyl. pulv. 1 lb. \(\tilde{0} \) 16/- lb.

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Tannic, B.P., 1 lb. \(\tilde{0} \) 6/- lb.

Tart., cryst. or pulv. B.P., 1885, 7 lbs.

\(\tilde{0} \) 2/4 lb.; parv. \(\tilde{1} \) 0, extra.

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10d. lb.
Aloes Barb., English ground, 28 lbs. @ 112/-cwt.;
7 lbs. @ 1/1 lb.
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Ammon, Benz., 7 lbs. @ 6/- lb.: 1 lb. @ 6/6 lb.
Ammon, Carb. lump, 3 cwt. @ Ed. lb.; 28 lbs.
@ 6\fl. lb.; 7 lbs. @ 6\fl. db.; powder, \fl. lb. lb. extra.

* Aqua Anethi Conc. 1-40, 1 lh. @ 3/2 lb.

* Anisl Conc. 1-40, 1 lh. @ 3/4 lb.

* Aurant. Conc. 1-40, 1 lb. @ 6/4 lb.

* Aurant. Trip., 53 lbs. for 23/-; 6 lbs. @ 7d. lb.

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Menth. Pip. Conc., 1–40, 1 lb @ 3/3 lb. Rosæ Conc. 1–40, 1 lb. @ 7/3 lb. Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ 7d. lb.

Samb. Conc., 1-40. 1 lb. @ 6/4 lb. Samb. Trip. 53 lbs. for 25/-7; 6 lbs. @ 8d. lh.

Bals, Copalbæ, pure, 44 lbs. @ 1/10 lb.; 9 lbs. @ 2/1 lb.; 1 lb. @ 2/5.
, 1 olut. B.P., 50 lbs. @ 2/7 lb.; 1 lb. @ 3/1 lb.
Bismuth, P.B., Carb., 7 lbs. @ 12/- lb.; 3] lbs.
@ 12/4 lb.; 1 lb. @ 12/8 lb.; submit. 1/- lb.

Borax, 1 cwt. @ 25/6; powder 1/- extra.

Camphor, English Flowers, "not artificial," 5 lbs. @ 2/5 lb.; 7 lb. tabs., ½ oz., ½ oz., or ½ oz. @ 2/6 lb. Chloroform, pure, B.P., 12 8-lbs. @ 2/1 lb.; 8 lbs. @ 2/2 lb.; 6 l-lb. bots. @ 2/4 lb. Cocaine Hydrochlor, B.P., 25 ozs. @ 14/6 oz.; 4 oz/@ 15/6; loz.@ 17/-oz.

Cream Tartar, 98% powder, 7 lbs. @ 2/- lb.

Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/1 lb.: Sinecroco, 6 lbs. @ 1/3 lb.
, Cinchonæ (Rubræ) Conc., 1-7, 6 lbs. @ 2/,, Senegæ Conc., 6 lbs. @ 2/3 lb.

*, Senega Conc., 6 lbs. @ 2/3 lb. [lb. Emp. Spread, 12 yards × 16 ins, adhesive, 3/8 Bellad, B.P.C., Green @ 17/6; Cerat. Saponis @ 7/6; Picis Co. @ 7/6; Plumbl @ 6/-; Resina @ 4/6; Roborans @ 7/-; Saponis, B.P., @ 6/-. Emp. Picis, P.B., 7 lbs. @ 8½d. lb. , Plumbi, P.B., 7 lbs. @ 8½d. lb. , Roborans, 7 lbs. @ 8½d. lb. , Roborans, 7 lbs. @ 8½d. lb. , Roborans, 7 lbs. @ 8½d. lb. Emulsio Ol. Morthua, 5 lbs. @ 1/2 lb. *Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/6 lb.; Bergamot, 3/- lb. *Ext. Ipecac. Liq., P.B., 5 lbs. @ 21/6 lb.; 1 lb. Ext. Juassiax, Solid, 7 lbs. @ 7/- lb.; 1 lh. @

Ext. Quassiae, Solid, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb. sarsa Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @

*Glycerin, Acid. Boric, P.B., 6 lbs. @ 1/11 lb.
,,, Acid. Carbolic, P.B., 6 lbs. @ 1/8 lb,
Acid. Tannic, P.B., 6 lbs. @ 2/3 lb.
Belladon, B.P.C., 6 lbs. @ 3/6 lb.; 1 lb @ 3/9 lb.

* Peading (Frothing Ess.), 5 lbs. @ 1/1 lb.

*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/7 lb.

" Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/6 lb.
" Buchu Conc., 1 to 7, 6 lbs. @ 2/5 lb.
" Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.
" Caryoph. Conc., 1 to 7, 6 lbs. @ 1/2 lb.
" Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
" Cascarilla Conc., 1 to 7, 6 lbs. @ 1/9 lb.
" Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.
" Quassiæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.
" Rhei Conc., 1 to 7, 6 lbs. @ 1/7 lb.
" Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/6 lb.
" Senegæ Conc., 1 to 7, 6 lbs. @ 2/4 lb.
" Valerian Conc., 1 to 7, 6 lbs. @ 2/4 lb.

in. Aconiti Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb. ,, Bellad. Meth., 5 lbs. @ 4 11 lb.; 1 lb. @

5/2 lb. Camph. P.B., 40 lbs. @ 1/- lb.; 9 lbs. @

1/1 1b.

Sapo Meth., 9 lbs. @ 8\d. 1b.
Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
Ammonii Acetatis Conc. 1-7 6 lbs. @ 9d.

J. Ammonii Acetaus Conc. 1-7 0105. © 22. lb.; 1 lb. @ 1/- lb Ammon. Aromat., 6 lbs. @ 10d. lb. Arsenicalis, B.P., 7 lbs. @ 4d.lb.; 1 lb.@ 7 J. Arsenii Hydrochlor., P.B., 7 lbs. @ 4d.lb.; 1 lb. @ 7d. lb.

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Phonon Subacet , P.B., 7 lbs. @ 5 l. lb Strychninæ Hyd., P.B., 6 lbs. @ 1/8 lb Tolut. pro Syr., 1-7, 6 lbs. @ 1/9 lb.

Mag. Calc. Levis, 56 lbs, @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/− lb. Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/− lb.

Mag. Carb. Pond., 56 lbs. @ 91d. lb ; 7 lbs. @

10d, lb.

1cd, lb.

Mag. Carb. Levis., 1 cwt. @ 33/6; 7 lbs. @ 41d. lb.

Mag. Sulph., fine druggists', B.P., 56 lbs. @

Mag. Card. Levis.,
Mag. Sulph., fine druggists, p.r.,
26/- cwt.

*Mist. Sennæ Comp., B.P., 20 lbs. @ 7½d. lb.;
6 lbs. @ 8½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv.
B.P., 25 oz. @ 14/- oz.; 1 oz. @ 15/3 oz.;
8 oz. @ 14/4 oz.; 1 oz. @ 15/3 oz.; Pur.
Præcip. Bimeconate or Tart., loz. @ 19/- oz.

Ess. Pear (artificial), Jargonelle, 5 lbs. (a) 2/6 lb.; Bergamot, 3/- lb.

Bxt. Ipecac. Liq., P.B., 5 lbs. (a) 21/6 lb.; 1 lb.
(b) 22/6 lb.
(c) 1. Amygdal, Ang., B.P., 9 lbs. (a) 2/11½ lb.
(c) 1. Cajuput., B.P., 2½ loz. bots. (a) 2/3 oz.
(c) 2/3 bz.
(c) 2/3

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6/6 gall

Ol. Origani Rub., Coml., 28 lbs. @ 1/10 lb.; 9 lbs.

Ol. Origani Rub., Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/-lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/3 lb.; 56 lbs. @ 1/5 lb.; 9 lbs. @ 1/6 lb.
Ol. Ricam Alb. Opt. Medicinal, 44 lbs. @ 62/6 cwt.; 9 lbs. @ 8\d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra.
Ol. Rosmarini, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
Ol Santal, Flav. Ang. B.P., 5 lbs. @ 26/6 lb.; 1 lb. @ 27/6 lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/8 lb.; 1 lb. @ 4/- lb.

4/- lb.
Opium Turc. B.P., 14 lbs. @ 25/6 lb.; 3 lbs. @ 26/- lh.; 1 lb. @ 27/- lb.; powder, 6d. lb.

Para finum Durum, B.P., 2 cwt. @ 3\d. lb.; 1\cap cwt. @ 3\d. lb.; 56 lbs. @ 3\d. lh.; 7 lbs. @ 4\d. lb.; Molle Flav., B.P., 3\d. cwt. (2 & 23\d. cwt.; 1 & cwt. @ 33\d. cwt.; 28 lbs. @ 4\d. lb.; 7 lbs. @ 5d. lb.: Alb. B.P., 3\d. cwt. @ 66/- cwt.; 28 lbs. @ 9d. lb. Pepsin, B.P., 1 lh. @ 12/- lb. Poras, Acetas, Gran. P.B., 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb. Poras, Bicarb, Pulv., \delta lbs. @ 10\d. d. lb. Potass. Cit. B.P., 7 lbs. @ 4/3 lb. Potass. Iod., P.B., 14 lbs. @ 13/6 lb.; 3 lbs. @ 14/- lb. Potass. Permang., Cryst., 7 lbs. @ 3/3 lb. Potass. Permang., Cryst., 7 lbs. @ 3/3 lb.

@ 14/- lb.
Potass. Permang., Cryst., 7 lbs. @ 3/3 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 7d. lb.;
c. Opio, B.P., 7 lbs. @ 1/9 lb.
Gleyyrrh. Co. B.P. (Green), English
Ground, 56 lbs. @ 58/6 cwt.
" Ipecac. Comp. P.B., 1 lb. @ 5/3 lb.
" Jalap Comp. P.B., 1 lb. @ 1/9 lb.
" Rhei Comp. P.B., 1 lb. @ 1/2 lb.

 Quininæ Sulph., B.P., 100 oz. @ 1/4½ oz.; 25 oz.

 . @ 1/6 oz.; 10 oz. @ 1/6½ oz.

 Quinine Hydrobromas, B.P., 100 oz. @ 1/10½ oz; 25 oz. @ 2/- oz.; 10 oz. @ 2/1 oz.

 Quinine Hydrochlor., B.P., 100 ozs. @ 1/10½; oz.

 Quinine Hydrochlor., B.P., 100 ozs. @ 2/1 oz.

Saccharine, 7 lbs. @ 36/6 lb.; '550 or '500 1 lb. @ 37/6 lb.; '330 7 lbs. @ 34/- lb.; 1 lb. @ 35/6

35/6.
Saffron Valentia, B.P., 7 lbs. @ 48/- lb.: 1 lb. @ 50/- lb.; 1 oz. @ 3/6 oz. Salicinum, B.P., 1 lb. @ 17/6 lb. Santoninum, P.B., 8 oz. @ 177/6 lb. Soda C it., B.P., 3 lbs. @ 4/2 lb. Strychnina Cryst. B.P., 4 oz. @ 2/8 oz.; Hydsoch. and Sulphate, 2d. oz. less. "Syr. Aurant. P.B., 7 lbs. @ 11d. lb. ", Easton, B.P., 7 lbs. @ 1/2\frac{1}{2} lb. ", Earri Polosph. Co., 7 lbs. @ 1/5\frac{1}{2} lb. ", Ferri Polosph. Co., 7 lbs. @ 7d. lh. ", Hypophosph. Co., 7 lbs. @ 9d. lb. ", Pruni Virg., B.P., 8 lbs. @ 9d. lb. ", Phammi, 7 lbs. @ 11\frac{1}{2} lb. ", Scilla, P.B., 7 lbs. @ 9d. lb. ", Scilla, P.B., 7 lbs. @ 10d. lb. ", Scilla, P.B., 7 lbs. @ 10d. lb. ", Tolut., P.B., 7 lbs. @ 9d. lb. ", Tolut., P.B., 7 lbs. @ 9d. lb. ", Tolut., P.B., 7 lbs. @ 9d. lb. ", Tolut., P.B., 7 lbs. @ 10d. lb. ", Tolut., P.B., 7 lbs. @ 10d. lb. ", Tolut., P.B., 7 lbs. @ 10d. lb. ", Tolut., P.B., 7 lbs. @ 9d. lb. ", Tolut., P.B., 28 lbs. @ 7\frac{1}{2}d. lb.;

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,, Anethi, Concent 4/- ,,	, F	Flor, Aurant		8/6 ,,	,, Pimentæ ,, 4/- ,,		
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Cinnam. Ver. Conc 6/- ,,	٠,,	" Ang. Conc		6/- ,,	l ,, ,, Virgin ,, 10/6 ,,		

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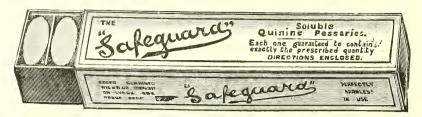
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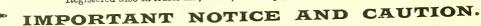


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SATURDAY, JULY 10, 1915

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Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done PROVIDED the MONEY is TELEGRAPHED at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)



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stocked; price £1,000.
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L ONDON Suburb, S.W.—Advertiser, wishing to join the Colours, offers old-established Business for immediate Disposal; Pharmacy well stocked and fitted; on main road; long lease; electric light and gas; 1914 returns £1,450; several valuable Proprietaries; no reasonabe offer refused, but no give-away prices entertained. Apply, "Omar" (23/8), Office of this Paper.

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NOR Sale, a good sound Chemist's Business in Hull; returns over £800; fine chance for pushing Pharmacist; low rent; profits cod; under management. Apply, Calvert, 14 Newland Avenue, full.

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YOU need rest, recuperation, holiday, country life, garden, small Business free from anxiety, no opposition? Then buy my business; it has restored me; £150, or valuation. 148/27, Office of this Paper.

BUSINESSES WANTED.

CHEMIST wishes to purchase a small Business with house accommodation attached; state fullest particulars, class of trade, and price required; no agents. 151/35, Office of this Paper.

WANTED to purchase, genuine middle-class Business showing good turnover and profits; must be moderately rented; cash ready. Reply, in confidence, to "Opportunity," 13 Ashville Terrace, Headingley, Leeds.

FOR SALE.

A DVERTISER, leaving trade, offers complete Stock and Mahogany Fixtures (Evans), including electric light, National Register, Recess Bottles, everything the best, valued £1.033, for £500 cash and few shares if limited company purchases; otherwise willing to arrange with qualified Chemist knowing good opening; must be sold immediately. 148/33, Office of this Paper.

National Cash Register, second-hand; used about 18 months; guaranteed in good order; adds total and prints on tape. Write, "W. A.," 89 Stewart Road, Stratford, E.

SMALL Patent Medicine for Sale; easily run in conjunction with other or others; well known in North of England; large stock. 156/69, Office of this Paper.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CAPE PROVINCE.—Advertiser is open to negotiate with Manufacturers of Proprietaries and Patent Medicines for sole local Agency; well-established; first-class references; could undertake local advertising to push sales. Write to Geo. R. Thwaits, Donkin Street, Beaufort West, C.C.

DUSSIA.—Well-established firm desires to Represent British Re Manufacturers of Chemicals, Pharmaceutical Preparations, Druggists' Sundries, Toilet Specialities, Fancy Goods, Boot, and Shoe Creams, Metal Polishes, Rubber Goods, also French producers of Olive Oil, Castille Soap, Saffroh, Chemicals, Leather articles, and Fancy Goods; first-class references. Victor Thoen, 7 Linden Street, Reval, Russia.

GENTS, on commission only, wanted all over the country for an absolutely new Medicinal Soap, to call on Chemists and Druggists. Apply, 148/32, Office of this Paper.

TWO Manufacturing Chemists.—There is already a big and profitable market in Holland for the goods of English Manufacturing Chemists to replace those hitherto supplied by Germany; a reliable Traveller, with practical knowledge of the trade in Holland, desires to obtain the Agency of an English firm able to supply the great demand; highest credentials of advertiser are available. Kindly address replies to Joh. H. Van Kempen, Zeist, Holland.

TRAVELLERS offered excellent Agency for Sanitary article universally wanted; expenses and commission. State towns covered, Campion, 58f Hatton Garden.

WANTED, Sole Agencies for India.—Advertisers, having a business established over 30 years, and with best of connections in Calcutta, with railways, trade, messes, and clubs, desire to Represent or accept Sole Agencies for Wines, Provisions, Patert Medicines, etc., direct with manufacturers; preference given to lines already introduced; best trade and bank references will be given. Apply, in first instance, to "India" (157/42), Office of this Paper.

TO LET.

YORK.—Excellent House and Shop to Let, where successful Chemist's business has been carried on for over .50 years; populous district; fixtures, but no stock; extensive warehouses; very moderate rent. Apply to Arthur Lawson, New Street, York.

OLD-ESTABLISHED Chemist's Shop; present tenant 30 years; splendid fixtures and stock at valuation; thickly populated district, West Riding, Yorkshire; no near opposition; good opportunity for N.H.I.; cause of sale, ill-health; rent low. Apply, "J. I. D.," c/o Messrs. Goodall, Backhouse & Co., Leeds.

HOP (well fitted) to Let in growing suburb; adjoining two railway stations and trams; close London; recently closed owing to death; rent £36; living accommodation if necessary; good opportunity for qualified man. Wreathall, 5 St. Martin's Place, Trafalgar Square, W.C. 'Phone, Gerrard 1900.

APPRENTICESHIPS.

Well-educated Youth as Apprentice or Improver; modern business; outdoors; no premium. 34 James Street, Oxford Street, W.

PARTNERSHIPS.

PARTNER wanted for Retail Business with constantly growing Wholesale in valuable Proprietaries, the latter now occupying most of the time of the present proprietor; chance to good man of obtaining the entire business in the future; must be energetic, a man of ideas, and, if possible, with some Advertising experience; at least £500 required. Apply, in first instance by letter, giving as full particulars as possible, to "Arbor" (151/40), Office of this Paper.

SITUATIONS OPEN

3s. 6d. for 50 words or less; oc. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Prioe-lists, trade circulars, samples, and printed matter oan in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

RETAIL.

BALHAM.—Immediately, a reliable Assistant required; outdoors; good salary to a desirable man; Photographic knowledge necessary; qualification not so essential as good Dispensing and general knowledge; abstainer preferred. Apply, by letter, Cooper, Central Pharmacy, Balham, London. S.W.

BIRKENHEAD.—Junior, unqualified, for Dispensing business; outdoors; good salary for suitable man. F. C. Cooling, Oxton.

BIRMINGHAM.—Assistant; unqualified; capable Salesman and Dispenser; applicants please send particulars of age, height, previous experience, and salary required, enclosing photo (to be returned), to Manager, Hedges, Chemists, Ltd., 10, 11, 12 Dale End, Birmingham.

BIRMINGHAM.—Unqualified Manager for Drug Store; salary £2 28, per week, plus an interest in the profits; permanency; married man preferred. 151/013, Office of this Paper.

BIRMINGHAM.—Assistant, unqualified, wanted at once as Dispenser; hours 10 till 9.30, Thursdays 1; no Sunday duty; good salary and permanency to capable man. 150/14, Office of this Pener.

BIRMINGHAM.—Qualified Manager for Branch wanted; outdoors or use of house; also Junior; references must be satisfactory. State age, experience, and if possible enclose photo, Fred. Barlow, M.P.S., Balsall Heath, Birmingham,

BIRMINGHAM.—Qualified Assistant wanted in a suburban business; must be a smart Counterman and quiek Dispenser, and used to the Photographic trade. Please send full particulars and say when disengaged, to 151/10, Office of this Paper.

BOURNEMOUTH.—Assistant wanted for good-class Dispensing and Photographic business. Apply, stating age, height, experience, salary required (outdoors), and, if convenient, enclose photograph, to A. E. Lodder, Pharmacist, West Southbourne, Bournemouth.

BRIGHTON.—Thoroughly competent Assistant wanted at once for modern Store business; knowledge of Photography an advantage; registration not necessary; no N.H.I. Dispensing. Full particulars, salary (outdoors), and photo if possible, to Stead, 25 Duke Street, Brighton.

BRISTOL.—Young qualified Assistant wanted; Dispensing (good class); easy pos.tion; comfortable home. Carte de visite, references, and salary asked to Edward Maish, Cotham Brow, Bristol.

CORNWALL.—A capable Assistant (outdoors) for an old-established country business; easy hours; no Sunday duty; will suit one seeking a permanency. Apply, stating experience and salary required, to "Norton" (151/36), Office of this Paper.

COUNTY OF SURREY DRUGS AND APPLIANCES JOINT COMMITTEE,

THE above-named Committee invites applications from persons (male or female) competent to undertake the checking of Prescriptions and preparation of Statistics.

Salary at the rate of £140 per annum, rising to £160 by annual increments of £5.

The person appointed will be required to devote his or her whole time to the duties.

Mode time to the duties.

Applications, in candidate's own handwriting, stating age, qualifications, experience, etc., accompanied by copies of three recent testimonials, must reach me not later than Saturday, July 17th,

WILLIAM BELL, Clerk of the Committee.
County Insurance Office, Penrhyn Road, Kingston npon Thames, 5th July, 1915.

DARLINGTON.—Assistant required; abstainer preferred. Apply, stating age, height, experience, salary required, and if qualited to Waters, Chemist, Darlington.

RASTBOURNE.—Wanted at once, Assistant; unqualified; know-ledge Photography preferred; good salary to reliable man.

CASTBOURNE. - Junior Assistant required for good-class Retail and Dispensing business; permanency; comfortable situation. toply, stating age, height, salary required, and enclose photo, to Forbes, Pharmacist, Eastbourne.

NVERNESS.—Assistant wanted to Manage small Branch; comfortable berth; suitable for elderly man; must be sober and ith Photo experience preferred. References and salary expected, layors, Inversess.

ENSINGTON BOARD OF GUARDIANS.—Male or Female Dispenser.—The Guardians of Kensington require the services of duly qualified temporary Dispenser (male or female), for a criod of one year, for their Workhouse and Infirmary and the outh Relief Districts in the Marloes Road, Kensington, at a lary of £120 per annum, with luncheon daily; the salary will be abject to the statutory deductions under the Poor-Law Officers' apperantuation Act, 1896; each candidate must be either a icentiate of the Society of Apothecaries of London or shall hold certificate of that Society as to his qualification to act as an ampounder of medicines duly qualified in accordance with the gulations for the Army Medical Staff Corps, or shall have been filly registered under the Pharmacy Act, 1868, or shall have en duly registered under the Pharmacy Act (Ireland), 1875, and e Pharmacy Act (Ireland), 1875, and alfied to compound medical prescriptions, and the person apointed will be required to devote his whole time to the service the Guardians. Applications must be made on a form to be tained from the Clerk to the Guardians, Guardians' Offices, arroles Road, Kensington, W., by sending a stamped and directed olscap envelope, and must be returned to him not later than a.m. on Thursday, July 15, 1915. Personal canvassing is

ENT.-£3 10s. salary and commission offered to a first-class Manager; permanency; Light Retail and Dispensing business. E." (151/13), Office of this Paper.

EAMINGTON SPA.—Junior Assistant or elderly gentleman willing to undertake light duties, for good-class Retail and spensing business. State salary required (indoors), enclose oto, and give usual particulars, Fisher & Co., 35 Bath Street, amington Spa.

LEEDS GENERAL INFIRMARY.—Assistant Dispenser (male) wanted; must be quick and accurate; meals provided whilst on duty. Applications, stating age, salary required, and copies of testimonials, to be sent to the undersigned. Fred J. Bray, General

LIVERPOOL.—An Assistant for good-class Dispensing business; indoors. Please apply, with full particulars, to Anthony S. Buck, 179 Bedford Street.

LIVERPOOL.—Qualified Manager for Light Retail and Dispensing Branch; married. Apply, with particulars, to "British," c/o Evans Sous Lescher & Webb, Ltd., 56 Hanover Street, Liver-

Liverpool.—A firm of Pharmacists require a Senior at their principal shop; qualification not essential; to take up duties any time before September 1. Particulars of experience, age, references, etc., to "Savon," c/o Messrs. Henry Jackson & Sons, Druggists' Sundrymen, School Lane, Liverpool.

LIVERPOOL.—V. Strawson, M.P.S., 23 Moss Street, requires an Assistant, unqualified; outdoors; one used to quick Retail and Dispensing business; reasonable hours. Please send all particulars, references, salary in first application.

LANDUDNO.—Au Assistant wanted for July, August, and September for Light Retail, Dispensing, and Photographic business. Apply, with full particulars, stating salary required (outdoors), to W. A. Roberts, Pharmacist, Llandudno.

LANDUDNO.—Assistant, qualified or unqualified, for Dispensing and Retail business, with Photography; no Panel work.

Apply, stating salary required and usual particulars, with photo, T. Esmor Hooson, Ltd.

London.—City Business (close at 1 p.m. Saturdays). Capable qualified Manager required; must be a first-class Dispenser, have a good address, and be anxious to make progress; salary \$3 10s. per week, plus an interest in the profits. "V. F." (148/203), Office of this Paper.

ONDON.—£2 2s. per week.—Unqualified Assistant required for working class business; permanency. "Det." (148/302), Office of this Paper.

L ONDON.—Elderly qualified Assistant required immediately; comfortable permanency; work light. "U. R." (148/23), Office of this Paper.

L ONDON.—Unqualified; wanted, smart Assistant for good-class Dispensing Pharmacy; must be reliable and competent Dispenser, neat, smart Counterman; good progressive salary to right man. Apply (if by letter, giving full particulars experience, age, height, salary required), C. R. Tayne, 26 High Street, Putney.

LONDON, N.—An experienced Assistant, also Junior or Improver: time off for attending lectures or study if desired; good opportunity to learn Dispensing. Apply (letter only, stating experience, names of references, salary expected, in- or out-doors, and when disengaged), "Chemist," 115a Stoke Newington Road, N.

LONDON, N.E.—Qualified Assistant wanted; outdoors; casy hours; no Sunday duty. Apply, Christopher Wheeler, Ltd., 191 Hackney Road, N.E.

L ONDON, N.W.—Part-time, evenings, and preferably Wednesdays after 2, but latter not essential: first-class Dispensing experience and ability necessary. Brickell & Jones, 295 High Road. Brondesbury, N.W.

LONDON, S.W.—Junior Assistant wanted at once for good-class business; outdoors. Apply, giving full particulars as to age, previous experience, salary required, and enclose photo, or apply personally, Banbury, 186 Lavender Hill, S.W.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR .- Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

I ONDON, S.W.—Reliable qualified Assistant (outdoors) required for high-class Dispensing business. Apply, with particulars of experience, age, height, salary expected, and when disengaged, to "W. H.," e/o-J. B. Barnes & Son, 205 Knightsbridge, S.W.

LONDON, S.W.-Junior Assistant, young, for good-class business; outdoors; application from lady entertained. Full particulars, experience, salary, etc., to Neve, 10 Victoria Parade, Norbury, S.W.

ONDON, S.W.—Dispenser required, holding the Minor qualification; salary to commence 50s, per week (outdoors); honrs of work approximately 8:45 to 6 p.m. Write, stating full particulars of past experience, to "L. J.," 583, Sells' Advertising Offices, Fleet Street, E.C.

ONDON, S.W.—Assistant required in large West-End establishment for the Front Counter; must be of gentlemanly appearance and of good address. Write, stating full particulars of past experience, to "L. J.," 581, Sells' Advertising Offices, Fleet Street, E.C.

ONDON, S.W.—Required, qualified lady Dispenser in a large West-End Dispensary; short hours of work; outdoors. Write, with full particulars of past experience, to "L. J.," 582, Sells' Advertising Offices, Fleet Street, E.C.

L ONDON, S.W.—Required, a lady Assistant for large West-End establishment; must be of ladylike appearance and good manner. Write, stating full particulars of past experience, to "L. J.," 580, Sells' Advertising Offices, Fleet Street, E.C.

L ONDON, W.—Required, in a Dispensing business, reliable Assistant with previous experience; outdoors. Apply, with full particulars, salary, and when disengaged, to 150/21, Office of this Paper.

LONDON, W.-A Junior Assistant or Improver, accustomed to good-class Dispensing; two assistants kept. W. McEwen, 17 Craven Road, W.

ONDON, W.—Wanted, an experienced, fully qualified Chemist to Manage first-class Retail establishment and join Board of Directors of Limited Company; exceptional opportunity to right man; preference given to one who would invest a little capital, with option of succession, if desired. State salary required and all particulars to 153/21, Office of this Paper.

MANCHESTER.—Elderly qualified man required; hours easy; very comfortable; permanency to the right man. "Elderly" (148/023), Office of this Paper.

MANCHESTER.—Temporary Assistant, hours 9 to 9, usual half-holiday, no Sunday duty; also Dispensing Assistant for evenings, 6 or 7 to 9 o'clock. State terms, "Chemist," 242 Stretford Road, Manchester.

MANCHESTER.—Wanted, qualified Manager for Retail and Dispensing business; indoors preferred. State particulars, with salary, Bnshby, 308 Upper Brook Street, Mauchester.

MIDLANDS.—Qualified Chemist (lady) wishes to recommend comfortable berth to another lady; required to take charge of small branch with Light Retail and Dispensing; good salary offered; preferably indoors. 148/19, Office of this Paper.

MONMOUTHSHIRE.—Assistant wanted for Dispensing and Counter; ontdoors; state age, salary, experience, and references; two half-holidays weekly. 152/2, Office of this Paper.

PECKHAM, S.E.—Assistant required for five evenings a week (Tuesday to Saturday), 7 to 10, chiefly for Dispensing; remuneration 18, per hour. Applicants please state age and experience to 149/29, Office of this Paper.

PORTH.—Competent Assistant required at once or before September for a quick Retail and Dispensing business; ability to dress windows preferred. Please give full particulars to Davies Bros., Chemists. Porth, Glam.

PRESTON—Wanted at once, an Assistant, lady or gentleman; good Dispenser. Write or apply personally, Barnes & Sou, 114 Fishergate.

ROYAL HOSPITAL, PORTSMOUTH.—Locniu required from August 12 to 23 inclusive; Minor qualification essential; Institution experience preferred; salary 3 guineas a week, with lunch. Apply, with references, to Secretary.

SHEFFIELD.—Qualified Manager for branch shop; fair locality; easy honrs; permanency for suitable gentleman; would suit gentleman just qualified; half-day holiday. State salary required and full particulars to E. Tibbles, 181 Whitham Road, Sheffield.

SOUTH OF ENGLAND.—Assistant required; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

ST. ANNES-ON-THE-SEA.—Lady Dispenser (outdoors) for firstclass business; 3 /lady Assistants employed. Please state nsual particulars, salary required, and enclose photo, J. H. Taylor, 'The Square, St. Annes-on-the-Sea.

ST. MARY'S HOSPITAL, PADDINGTON, W.—Wanted, a qualified Assistant Dispenser (male) for six weeks commencing Angust 23; salary £2 10s. per week, with luncheon and tea. Apply to the Secretary.

S.E. -Locum wanted for six weeks (not necessarily consecutive), as soon as possible; full or part time as desired. 152/5, Office of this Paper.

STAFFORD.—Assistant for holiday relief until September; also smart Junior; permanent; outdoors. Give full particulars, J. & H. A. Averill, Pharmaceutical Chemists, Stafford.

WOLVERHAMPTON—Qnalified Assistant, lady or gentlemau; easy berth; no night or Sunday duty; half-day Thursday. Send all particulars, and photo if possible, when disengaged, and salary required to the Wednesfield Drug Stores, Ltd.

YORKS.—A smart Assistant, qualified preferred, but not essential if capable, married, to live on the premises, with knowledge of Photography and used to a good-class country trade. Apply, with full particulars, references, and photo, to C. Midgley, Bedale, Yorks.

YORKSHIRE.—Junior required for business situate in pleasantly situated West Riding town; permanent and progressive position. State salary required, "H. B." (148/320), Office of this Paper.

YORKSHIRE.—Elderly qualified man required; Yorkshire (West Riding); easy hours; work light; permanency. State age, when at liberty, and salary desired, 148/230, Office of this Paper.

A LLEN'S DRUG STORES, 155 Praed Street, Paddington, require a qualified elderly man immediately as Locum or Parttime; easy berth.

A N Assistant for good-class country business; no Suuday duty. F. Fresson, Pharmacist, Stevenage, Herts.

A NDERSON & VIRGO, Chemists, Worcester, require a capable A sasistant who has been accustomed to Dispensing and Family Retail business. State age, height, experience, references, salary required, and enclose photo.

A SSISTANT (outdoor's) for medium-class Retail and Dispensing. Apply, with usual particulars, to W. Marchant, Chemist, 209 Barton Street, Gloucester.

A SSISTANT wanted for high-class branch; unqualified; smart man required. Apply, stating age, height, experience, and salary expected, Wands, Ltd., Chemists, 12 Haymarket, Leicester.

A SSISTANT or Junior required immediately for modern busiucss; no Sunday or holiday duty; 9 a.m. to 9 p.m. Meyrick & Davies, 34 James Street, Oxford Street, W.

A SSISTANT for good-class Retail and Photography; lady or incligible gentleman; also Apprentice. Particulars, Leuton, Pharmaceutical Chemist, Hunstanton.

A SSISTANTS wanted, first-class Sculor and smart Junior.
Apply, stating fullest particulars, to Managing Director,
Parke's Drug Stores, Ltd., 65 Harmood Street, N.W.

A S soon as possible, qualified young lady or elderly gentleman; duties exceptionally light; no N.H.I.; in- or out-doors. A. S. Cheetham, 10 Royston Parade, Beckenham Road, Penge, S.E.

CAPABLE Assistant, qualified or unqualified, able to take full charge if necessary; permanent situation and good progressive salary to snitable man. Apply, by letter only, with fullest particulars, to 4 Churchill Road, Homerton.

EVENINGS.—Qualified Assistant wauted on Mondays, Tuesdays, and Saturdays and alternate Sundays from 6 o'clock, for N.H.I. Dispensing and Counter; London, East. State age, salary, and references to 146/30, Office of this Paper.

G. INGLE, Pharmacist and Photographic Dealer, has a vacancy for a Junior unqualified Assistant; one with Photographic experience preferred, but not essential. Apply, stating experience, salary required, etc., The Pharmacy, 26 Barrack Road, Northampton.

IMMEDIATELY.—Qualified Assistant; indoors; would suit elderly gentleman; light duties; half-day weekly; comfortable home; healthy district. Apply, with full particulars and references, P. R. Hill, Pharmaceutical Chemist, 90 High Street Gorleston-on-Sea.

IMMEDIATELY.—Assistant for Family, Retail, and Dispensing business; outdoors; two kept (no objection to one above military age, or a lady). Full particulars in first letter, or personal interview, Albau Atkin, 243 West End Lane, West Hampstead

JUNIOR or Improver; Light Retail and Dispensing; with some knowledge of Photography; outdoors; easy hours; 8 to 7.30, Thursday 1, Friday 9, Saturday 10; no Sunday duty. State age, height, references, and salary required to Hodgson & Hepworth, Ltd., Doncaster.

JUNIOR (lady or gentleman) with some experience in Family trade; good Counterman, etc.; indoors; comfortable home; time off daily and Thursdays after 1 o'clock. Jenkin, ('hemist and Opticiau, 352 High Road, Wood Green, N.

JUNIOR Assistant (male or female); outdoors. Apply, stating age, height, references, salary required, enclose photo, Milton & Son, 265 High Street, Exeter.

JUNIOR Assistant (outdoors) for Branch. Apply, stating age, experience, salary expected, and names of last two employers for references, Matthews & Son, Chemists, 722 High Road, Leytonstone, N.E.

JUNIOR Assistant, 18 to 25, required for light Dispensing and Photographic business; male or female. State salary, when at liberty, etc., Meyer, Chemist, Gravelly Hill, Birmingham.

JUNIOR, also lady Dispenser, wanted. Middleton & Co., Ltd., Chemists, Middlesbrough.

LADY Assistant required for Dispensing and Counter; must possess Hall eertificate or served three years to Doctor or Institution; outdoors; good salary. Collett & Walker, Chemists, Gainsborough.

LADY Dispenser required; Counter experience an advantage, but not essential. State qualification (if any), references, salary required (outdoors), and when disengaged, Bird, Chemist, Coventry.

LADY, qualified; comfortable borth; easy hours; board and residence; Midlands. Apply, stating salary and full particulars of experience, to "Statim" (152/10), Office of this Paper.

LADY or gentlemau required by Doctor as Dispenser, etc., about six hours daily; must possess good references. Kindly state age, experience, if abstainer, salary required, when free, etc., Dr. Osmond, The Limes, Risca, Mon.

L OCUM for week or fortuight during August (early preferred); qualified or unqualified. State experience, reference, salary required, and when at liberty, Goodall, 66 Lower Richmond Road, Putney.

LOCUM wanted for one month, to end not later than last week ju August. George & Welch, Pharmaceutical Chemists, Worcester.

LOCUM, qualified, for West-End quick Store trade; August one month; speaking French preferred; honrs 8.30 to 10 p.m. Apply, 153/9, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmaoist as Manager; easy hours; good and progressive salary, with excellent prospects.

PRESCRIPTION Checker.—Applications are invited from ladies and gentlemen qualified to check National Insurance Prescriptions. Applicants should state age, experience, qualifications (if any), and salary required to the Clerk, County of Bedford Insurance Committee, Association Buildings, Bedford.

QUALIFIED.—Vacancy occurs for "Minor" man with good experience in quick London business; progressive position if willing and energetic. State age, height, salary required (outdoors), whether married or single, when disengaged, and particulars of experience to 148/36, Office of this Paper.

QUALIFIED Branch Manager wanted at once; permaneuey and good salary to good man. State fullest particulars and enclose photograph to Managing Director, Parke's Drug Stores, Ltd., 65 Harmood Street, N.W.

QUALIFIED Assistant wanted, end of Juue, for a good Mixed Country business; good opening for one who wants a permanency; ontdoors; easy hours; no Sunday duty; half-day Wednesday. State age, reference, and salary required, photo if possible, Exors. of E. Booth, Crewe.

QUALIFIED lady or gentleman; outdoors; Store trade; must have Photographic knowledge. Full particulars of experience, age, height, salary, and photo to H. G. Williams, 118 The Moor, Sheffield.

QUALIFIED Manager required for Branch shop; Light Retail and Dispensing, with N.H.I.; moderate hours; outdoors: good references; applicant may commence at once or within a month's time; married or single. Apply, with tull particulars, stating salary, to Walter E. Plant, Pharmaccutical Chemist, 28 High Street, Donoaster.

QUALIFIED Assistant for holiday duty required from August 16 for three weeks; light duties; outdoors; salary £3 10s. per week and return railway farc. 148/22, Offico of this Paper.

QUALIFIED Assistant for two weeks in August, chiefly for N.H.I. Dispensing; outdoors; reasonable hours. Full particulars as to age, salary, reference, etc., Page's Drug Stores, 1.td., 203 Hertford Road, Lower Edmonton.

QUALIFIED Assistant for old-established business; South of England; outdoors. Reply to "Wingik" (152/3), Office of this Paper.

QUALIFIED Assistant or Manager immediately for up-to-date Store business. State fullest particulars as to age, references, salary required, and photo (to be returned), to C. E. Beveridge, 185 High Street, Gillingham, Kent.

QUALIFIED Assistant (soon) for two months or longer if necessary; Light Retail and N.H.I. work. Apply, Manager, J. Brown & Sou, Chemists, Walker, Newcastle-on-Tyne.

QUALIFIED Manager, temporary, required Angust 3 for good-class business; good experience and reference; abstainer. Apply, with full particulars, to "W. H." (150/33), Office of this Paper.

QUALIFIED Assistant wanted for Dispensing; no Counter duties; permanency; commencing £160 per annum; hours 8 to 6. State age and details of experience to Junior Army and Navy Stores, Aldershot.

RELIABLE Junior or Improver wanted for Stockkeeping, etc. Apply, stating full particulars and photo, Ralph Cnthbert, Ltd., Chemists, Huddersfield.

 $m R^{EQUIRED}$ immediately, a qualified man to Manage Light Retail and Dispensing business near London; little N.H.I. work; suit elderly man. 151/020, Office of this Paper.

TWO Assistants required (ladies or gentlemen), one qualified and one unqualified, as soon as possible; knowledge of Photography desirable. Particulars as to age, salary required, and references to Atkins & Son, Pharmacists, Salisbury.

. UNQUALIFIED Assistant required for London, with all-round Dispensing, Counter, and Photographic experience; good salary to suitable man. Apply, giving full particulars, which will be treated in confidence, to 148/036, Office of this Paper.

UNQUALIFIED; age about 25; Counter and Dispensing, including N.H.I.; good-class business. State salary required and experience, Vince, Pharmacist, Lancaster.

UNQUALIFIED Manager, also Assistant (outdoors) for Dispensing and Photographic business; Londou, S.E. Apply to "Pharmacist" (149/38), Office of this Paper.

UNQUALIFIED; outdoors; short hours; knowledge of Photography essential; photo if convenient. S. Edwards & Son, Pharmacists, Godalming.

NQUALIFIED Assistant required in South-West London district; outdoors; permanency; good wages to competent man. "Optics" (152/9), Office of this Paper.

UNQUALIFIED Assistant (lady or gentleman) for Branch Drug Stores at Wendover, Bncks. Apply, stating salary, Durrell's Drug Stores, Leighton Buzzard (very pleasant neighbourhood).

UNQUALIFIED to Manage Branch. State in first instance age and previous experience to 149/52, Office of this Paper.

UNQUALIFIED Assistant, disqualified for military service, wanted immediately (outdoors) for first-class business. Please state usual particulars, salary required, and onclose photo, to G. H. Taylor, The Square, St. Annes-on-Sea.

WANTED, lady Dispenser and Bookkeeper for Medical practice in small country town within 30 miles of London; must be familiar with keeping Panel records, etc. Apply, stating age, experience, salary required, etc., to 146/28. Office of this Paper.

WANTED at once, for the season, competent Assisfant for good-class Dispensing business; indoors or outdoors. State usual particulars and salary required to E. Parker, Pharmacist, 29 Ramshill Road, Scarborough.

WANTED immediately, qualified Assistant; references must bear the strictest investigation. C. Robertson & Son, Pharmacists, 229 Dalton Road, Barrow-in-Furness. WANTED at once, qualified Manager for Branch; also smart Junior. To save time please give full particulars of perience, references, salary required, etc., Walker & Harris, Ltd., Canterbury.

WANTED as soon as possible, Branch Manager, qualified; suit elderly man or man just passed exam.; not heavy duties. State wages required and usual particulars, 151/33, Office of this Paper.

WANTED, an unqualified Assistant in a good-class Dispensing and Family Retail business; easy hours; in- or out-doors; Sunday duty slight, and no duty after business hours. Apply, Mr. Nosworthy, 1 Baron's Court Road, W. Kensington, W. 'Phone, 2030 Kensington.

WANTED immediately, elderly Assistant for West End; speaking French preferred, but not essential; light work. Apply, personally, in first instance to Swire & Co., 294 Brixton H.ll, S.W., any time except 2 to 3 in the afternoon.

X-RAY Work.—Wanted, an Assistant experienced in Radiographic work for two or three weeks during August or September; Manchester district. State experience and terms to 151/18, Office of this Paper.

YOUNG lady required at once, with Counter and Dispensing experience. Apply, stating fullest particulars, to Managing Director, Parke's Drug Stores, Ltd., 65 Harmood Street, N.W.

YOUNG lady as Assistant for Counter and Dispensing in Mixed Country business; easy hours; no Sunday duty; good situation for suitable applicant. State usual particulars and salary required (outdoors) to Sturton & Howard, Fore Hill, Ely, Cambs.

YOUNG man as Junior, Central London; Store-shop experience no consideration. Write, stating salary and experience, to 151/27, Office of this Paper.

£2 5 S.—Assistant with good Dispensing experience required; of this Paper. Full particulars to 149/31, Office

£3 10 s., plus an interest in the profits of the business, offered for a steady, capable, qualified man for his willing and energetic service as Manager of Branch; business is situate in Kent. "Kent" (159/6), Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A SSISTANT wanted to help qualified Chemist in the Laboratory of a firm of Manufacturers of Toilet Articles, Packed Drugs, and similar goods; not required until about the middle of August; applications treated with every confidence. Apply to 155/22, Office of this Paper.

CITY Manufacturing Chemists require an energetic man used to Packing and Weighing Drugs. Reply, stating age and salary, to "Entente" (159/19), Office of this Paper.

EVANS SONS LESCHER & WEBB, LTD., Liverpool, require terms to suitable men. Apply, 29 Fleet Street, Liverpool.

EXCELLENT opening in an old-established London Commercial Export house for a gentleman about 25 to 30, of good-cducation and training, for correspondence and other responsible and confidential duties. Address, stating experience and salary, to "E. G. A.," c/o Street's, 30 Cornhill, E.C.

GOOD Pillmaker wanted by London firm. Write, stating previous experience and wage required, to 102/07, Office of this Paper.

T NVOICE Clorks required by one of the largest Wholesale Mannfacturing Chemists and Druggists; experience of the trade necessary; good progressive salary to those possessing initiative and who want to get on. Apply, by letter, to "W. T.," c/o Gains & Co., 19 Moorfields, London, E.C.

JUNIOR Invoice Clerk (male or female) required for London Wholesale Druggist; previous experience essential, and must be quick and accurate. Apply, giving full particulars and salary required, to 159/22, Office of this Paper.

PACKERS.—One or two capable men required immediately in City Warehouse of Manufacturing Chemists. Apply, 31/32 St. Andrew's Hill, Queen Victoria Street, E.C.

PERFUMERY Trade.—Wanted, a good man, with practical knowledge Wholesale, of making up Hair-washes, Orcams, Face-powders, etc. Apply, by letter, stating age, salary required, and previous experience, to 143/15, Office of this Paper.

QUALIFIED Chemist wanted by London Manufacturing firm; age 25-30; previous experience in Wholesale not actually necessary. Write, stating salary required and previous experience, to 102/700, Office of this Paper.

REQUIRED at once, smart Invoice Clerk; must be a rapid reckoner. Apply, stating experience and salary required, to R. Sumner & Co., Ltd., Wholesale Druggists, 40 Hanover Street, Liverpool.

SHIPPING Clerk wanted; one accustomed to Consular work preferred. Apply, by letter, stating full particulars and salary required, to "R. L." (Contracts), 7-12 Aldersgate Street, E.C.

TABLET-MAKERS and good Granulators wanted by Londonfirm. Write, stating previous experience and wage required, to 102/7, Office of this Paper.

TRAVELLER for Liverpool and district; home evenings. Stateage, references, salary required, and if disengaged, by letter, to Charles Jackson, Henry Jackson & Sons, Wholesale Druggists' Sundrymen, 29 School Lane, Hanover Street, Liverpool.

. WAREHOUSEMAN and Packer wanted. Apply, stating wages required, to J. E. Lockyer, 244 Evelyn Street, Deptford, S.E.

WET Counter hands required. Apply, personally after 10.30 a.m., or by letter, Devon Wharf, Emmott Street, Mile End.

WET or Dry Counter hands wanted, with some experience. Apply, stating full particulars of age, experience, and wages expected, to 149/15. Office of this Paper.

WET Counter hands and Packers wanted. Apply, Stafford Allen & Sons, Ltd., 7 Cowper Street, Finsbury, E.C.

WHOLESALE Drug Trade.—Required, a Warehouseman (Export). Full particulars to 157/32, Office of this Paper.

YOUNG women and girls for Packing and shop work. State wages and experience to 151/027, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

"3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

INDIA.—Old-established private firm require (1) Assistant capable of taking sole charge of branch and the books and accounts; Bookkeeping experience as well as of Retail trade and Photography; commencing salary to competent man up to rs. 300 per month, according to qualification. (2) First-class Retail Salesman, preferably qualified, for Counter work; must be up to date in Photography; commencing salary rs. 225 to rs. 275; four years' agreement in both cases; passage paid both ways. Apply, "L. M.," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C.

INDIA.—Messrs. Bathgate & Co., Calcutta, require Junior Assistant with Minor qualification; unmarried; age 21 to 26; passage paid both ways; 4 years' agreement; salary first year, month rs. 275 (about £18 6s. 8d.), second rs. 300 (about £20). third rs. 325 (about £21 13s. 4d.), fourth rs. 350 (about £23 6s. 8d.). Apply, giving particulars of experience, to Messrs. Alex. Lawrie & Co., 14 St. Mary Axe, London, E.C., who will answer all inquiries.

SITUATIONS WANTED.

is. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL

A DVERTISER, qualified (30), single, first-class West-End experience, highest references and character, desires permanency in or near London; interview. 147/30, Office of this Paper.

A DVERTISER; 50; tall; experienced; references; disengaged. "Ph.C.," 3 Ranelagh Road, Pimlico, S.W.

A DVERTISER, young, qualified Chemist, desires Management with view to purchase of business in country not too far from London. 153/13, Office of this Paper.

A N energetic, up-to-date qualified Chemist (28) seeks permanent Managership; thoroughly reliable; experienced; splendid references. 150/28, Office of this Paper.

A SSISTANT, age 21 years, requires berth; London, West End, preferred. 152/4, Office of this Paper.

BRANCH Management with scope for Dentistry by steady, experienced married man; capable and trustworthy; Prescriber, Photographer; unqualified. "B. P.," 2 Hamfrith Road, Stratford, E.

RANCH Manager (with view to purchase) or Locum; 31; qualified; capable. Piease give full particulars of business, locality, hours, in first letter, 150/26, Office of this Paper.

 ${
m B^{RANCH}}$ Manager or Loeum; 45; qualified; experienced London and provinces. "Xaxa" (153/31), Office of this Paper.

DENTISTRY.—Tuition in practical and mechanical Dentistry required. Terms, etc., to "Pharmacist," 46 Richmond Gardens, Shepherd's Bush, W.

DISENGAGED; emergency Assistant or Locum; thoroughly competent, reliable, experienced; town or country; terms moderate; first-class references. "Chemicus," 200 Goldhawk Road, Shepherd's Bush.

DISPENSER (Hall), trained Nurse, requires post in London or near Bromley; Institution or with Doctor; experienced. Harris, 106 College Road, Bromley, Kent.

DISPENSER (unqualified), Bookkeeper, educated lady (26), seeks situation in London; 9 a.m. to 5 p.m. 39 Osborne Terrace, Clapham Road, S.W.

LDERLY gentleman, disposing of his business, would like to Manage Drng Stores; many years' all-round experience. 148/40, Office of this Paper.

ADY Dispenser requires post as Loenm for August; sea preferred; qualified; experienced; good references. 148/38, Office of this Paper.

LADY Dispenser (Apothecaries' certificate) desires re-engagement with Chemist or Doctor; outdoors; City, West End, or South London preferred: three years in good Pharmacies. "M. D." 77 St. James' Road, Brixton, S.W.

COUM, temporary Manager; middle-aged; West preferred. "Pharmacist," 16 Walliscote Road South, Weston-super-Mare.

LOCUM; 30 years' wide experience: qualified; disengaged after 31st inst.; good credentials. M. Smith (Manchester), c/o Mayor, Chemist, Hightown, Crewe.

L OCUM; qualified; disengaged immediately for fortnight. "Statim," 29 Avondale Road, Southport.

 $L^{
m OCUM}$; qualified: experienced; reliable; disengaged September. "Major," 111 Royal Parade East, Eastbourne.

LOCUM; temporary: 42; Counter, Dispensing, Photography; unqualified. Howes, 15 Hexthorpe Road, Doncaster.

TOCUM.—Competent qualified Manager, with good all-round experience, open to take Locum from July 19 to August 1. "Manager." c/o Bramleys, Ltd., Chemists, 541 Rookery Road, Handsworth, Birmingham.

OCUM or Manager; qualified; disengaged July 12. "Alpha. 10 Wyndeliffe Road, Southsea.

LOCUM; unqualified: 43; married; thoroughly experienced: disengaged August 10; £3 and travelling expenses. 149/021, Office of this Paper.

L OCUM.—Lady Dispenser (Hall); disengaged July, part Angust; Hospital experience; good references. 150/34, Office of this

 $m L^{OCUM}$ or Part-time; disengaged; qualified; experienced; age 36. 152/18, Office of this Paper.

LOCUM.—Qualified lady Dispenser; disengaged last two weeks in August, also October; good Hospital experience, Doctors'. 151/11, Office of this Paper.

OCUM, qualified, for a fortnight commencing July 26: Hospital or Institution. "Veronal" (151/12), Office of this Paper.

L OCUM, experienced, 36; qualified; disengaged July 19 to 31: Dispensing or Retail. 153/29, Office of this Paper.

LOCUM > 39; tall; qualified; competent and reliable. "Ready" (153/7), Office of this Paper.

 $L^{0{
m CUM}}$; qualified; excellent references; disengaged July 19 to 31. "B." (155/22), Office of this Paper.

MANAGER, qualified (58), 5 ft. 9 in., married, abstainer, desires re-engagement; thoroughly competent; excellent references; disengaged July 24; permanency. Harper, 4 Grosvenor Road, Bradford, Yorks.

MANAGER or Assistant; outdoors; unqualified; 43; married; good all-round experience; £2 10s. weekly. 149/21, Office of this Paper.

MANAGER; qualified; London and Provincial experience; disengaged. Hunter, 57 Plum Lane, Plumstead.

MANAGER, Chemist and qualified Optician, requires position of trust, private, company, or abroad; best Dispensing and this Paper. "Major" (148/47), Office of

ONE, two, or three months' Locum; pleasant locality essential; M.P.S. and R.D.S.; elderly; energetic; well connected; retired; excellent references; easy hours, easy pay. 147/34, Office of this Paper.

OUTDOOR, in or near Liverpool, for lady; 5 years' experience. State terms, "Drugs," 26 Derby Street, Prescott, near Liverpool.

OVER 30 years' experience in Retail; unregistered; age 56; 5 ft. 9 in.; Extractor, Sight-testing; Cheshire, Lancs, or Yorks preferred; disengaged; in- or out-doors: 158/46, Office of this Paper.

QUALIFIED Manager; experienced; reliable, trustworthy; Lancashire preferred; permanency, view succession; introduce capital; highest references; good salary required. 146/27, Office of this Paper.

QUALIFIED; "Square" trained; 7 years' experience; disengaged. Halkes, 39 Monks Road, Lincoln.

QUALIFIED; Manager; experienced; good references; Locum, permanency; disengaged. "Pharmacist," 18 Carnarvon

QUALIFIED; Locum, permanency; 36; married; Counter, Dispensing; shortly disengaged. Stewart, 3 Elborough Street, Southfields, S.W.

QUALIFIED Manager (28), married, desires berth live on premises; abstainer; London preferred. "Energetic" (150/37), Office of this Paper.

QUALIFIED (36), highest references, desires permanency; disengaged. 149/33, Office of this Paper.

QUALIFIED (23), thoroughly reliable, with good Colonial experience, seeks engagement in good-class Pharmacy. "J. B." (151/30), Office of this Paper.

QUALIFIED lady Chemist seeks position country town; experienced. 153/4, Office of this Paper.

UALIFIED; 26; married; high-class London and provincial experience; Dispensing and Counter, Photography; capable for. State particulars, Geering, 36 Haven Green, Ealing.

QUALIFIED; middle-aged; single; varied experience; any locality; terms to suit. "Adaptable" (142/360), Office of this Paper.

RELIEF; mornings only; unqualified; Richmond district preferred. "Alpha," 47 Staines Road, Sunbury-on-Thames,

To Chemists and Medical Men.—Wanted, by a lady of experience, with the Minor qualification, residing at Wolverhampton, an engagement for part-time Dispensing or Retail work in that neighbourhood. Apply, Cope, 22 Paget Road, Wolverhampton.

UNQUALIFIED (41) would join Chemist where Dentistry can be introduced. "Genuine" (148/29), Cffice of this Paper.

UNQUALIFIED; 45; Locum or otherwise. Hobart, 37 Upper Kennington Lane, S.E.

UNQUALIFIED; disengaged four weeks; neighbourhood London preferred; first-rate experience, testimonials, a ability. "Iterum," 27 Atherfold Road, Stockwell, S.W.

WHOLESALE.

BELGIAN refugee, who before the war represented a leading firm in Brussels (with several branches throughout Belgium), and who is therefore au fuit with all Belgian Doctors and Pharmacists, desires to negotiate with a view to Representing first-class Manufacturers of Chemical and Pharmaceutical Products, special Chemical Products, Specialities, Mineral Waters, Medical and Surgical Therapeutical Material, Dressings, Hygienic and Toilet Articles, Materials for Pharmacies and Chemical Laboratorics, Microscopic and Bacteriological Articles, Importers of Herbs, Crude Drugs, etc., in Belgium and France; speaks French, Flemish, Dutch, and English; first-class references and long experience. Write to Jos. A. H. van Overstraeten, 99 St. Mark's Road, Bush Hill Park, Enfield, N.

HEAD Representative of first-class London Toilet and Perfumery II Manufacturers seeks change; whole time, or would entertain commission lines; large connection London and provinces. Gossling, 12 Lyndhurst Road, Thornton Heath.

TRAVELLER desires re-engagement; excellent connection and sclling record; qualified Chemist; familiar all branches Drug and allied trades; can influence business; reliable and experienced man with first-class references; disengaged. "Comp." (149/40); Office of this Paper.

WORKS Chemist (25), with several years' Manufacturing experience, some in a proposition of the control of the c VV perience, some in a managerial capacity, seeks post; London preferred. 31 Whitehill Road, Gravesend, Kent.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for 12 words or less: 6d. for every 10 words beyond, prepaid, The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependence or elsewhere abroad.

A DVERTISER desires position in the Colonies; qualified; good and varied experience, both Photographic and Optical, 153/013, Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green. Shares for Sale (free of commission, subject).—200 Mellins 6 per cent. Preference, 16s. 9d.; 110 Ilford Preference, 16s. 6d.; 30 Parke's Drug Preference, 16s. 6d.; 35 Allenbury "B" Preference, 22s. 6d.; 75 Claudius Ash Preference, 21s. 6d.; 300 Claudius Ash Ordinary, 23s. 9d.

Wanted (subject).—£500 Idris Debenture, 60½ per cent.; 200 Wright, Layman Preference, 20s.

Wright, Layman Preference, 20s.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

REAT Bargains in Second-hand Fittings.—10-ft. Drug Fitting, 6-ft. Screen and Counter, 6-ft. Wall Case, 10-ft. Plate-glass Serving Counter, Desk and Case, Plate-glass Counter Case, £39 10s. Call or write. Philip Josephs, 93 Old Street, London, E.C. 'Phone London Wall 9057.

CHEMISTS' Shopfittings.—Silent Salesman, Showcases, Window-enclosures, Dispensing-screens, Drug-fittings, Walloases, Glassfront Counters, Counter Drawers, etc., at lowest prices; shopsciled second-hand; 30 years fitting pharmacies; you will save time and money by sending your requirements to George Cook, The Chemists' Working Shopfitter, Catherine Street, City Road, Old Street London. Old Street, London.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

CHEMIST.—Complete set of modern Fittings; good second-hand; 12-ft. Drug Fitting, complete; 10-ft. Glass-fronted Counter; 6-ft. Dispensing Screen and Counter; Perfumery Case and Desk; 4-ft. Mahogany Bent Plate-glass Counter Case; 6-ft. Mahogany Wall Case; £45 10s. the lot; absolute bargain; cheapest house for Window Enclosures, Glass Shelves, modern Shop Fronts, improvements, etc.; designs, estimates free. MILLS, Shop Front, Shop Fitting, Glass Facia Works, 163-5 Old Street, London, E.C. 'Phone 550 London Wall.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

N.H.I.—Those back numbers are worth money to you.

Prescriptions, Account Forms, and Tariff, and I return to you absolutely ready to forward to Committee. I have a competent staff. No order too small and none too large. F. H. Richards, Prescription Pricing Expert, 59 Dudden Hill Lane, Willesden. London.

SODA-WATER Trolley, that makes heavy work light, and on which a boy of 8 can easily convey 3 dozen syphons; will go through any doorway; hundreds in use in all parts of the country; carriage paid 37s. Sole Makers, Arthur & Co., 9 K.P., Cambridge

YOUR N.H.I. work does not pay you? Send a post-card asking for my hints on how to make it pay. L. A. Morton, Wern-y-Cwm, Shaftesbury Avenue, Southampton.

STRENGTHEN YOUR

on the Trade by USING OUR

BRIGHT AND EFFECTIVE SHOWCARDS.

They will ensure renewed Activity and Increase In your takings, and achieve for you POPULARITY & SUCCESS.

THEIR COST IS SMALL. Write us your wants. F. MERTEN & CO., 72 Mariborough Rd., Holloway, London, N. (All previous adverts, cancelled.)

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the enstomary business channels.

TERMS

Minimum charge (including registration fee) of 1/for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST! AND DRUGGIST."

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall

place them in touch with sellers :-Acetanilide, ½ lb. (153/12) Acetyl-salicylic acid, 16 lb., all or part (147/32); 1 lb. (156/71) Airol (154/2) Aristol (154/2) Citarin (154/2) Citrophen (154/2) Cocain. (148/28) hydrochl., 1 oz. Diuretin (154/2) Homatropin hydrochlor. (153/28)

Orthoform, new (154/2)

Ortol, 1 oz. (156/71)

Salophen (153/28) Santonin (slightly yellow), 4 oz. (156/71) odium salicylate, 14 lb. (148/23) Sodium Spirosal (154/2) Tannalbin (154/2) Tetronal (153/28) Thiocol (154/2) Urotropine (154/2)

Phenalgin (153/28) Pierotoxin (153/28) Piperazine (154/2) Salophen (154/2)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

APPARATUS.

SUPPOSITORY mould, 6 (each grs, 5); what offers? 145/8, Office of this Paper.

BOOKS AND PERIODICALS.

REYNOLDS Green's "Botany," 2 vols. for 68. 6d.; Lawson's "Materia Medica," Groom's "Botany," 1s. each; Newman's "Bacteriology," 88, 6d.; Péreira's "Materia Medica," 2 vols. for 5s.; Homeopathic Pharmacopeeia, 2s. 6d. Sampson, Stoneleigh, Barrowby, Grantham.

DENTAL.

12 pairs forceps, in leather case (Maw's); good condition; what offers? Boor, Chemist and Dentist, Wisbech.

DRUGS AND CHEMICALS.

ANTIPYRIN tablets, 5-gr., A. & H., 250 68, 6d. Sharman, Northwood.

ABOUT 11 cwt. lump caustic potash, commercial. Cash offers to 148/22, Office of this Paper.

HYPO.; 1 ewt. keg; best offer; oxygen cylinders wanted. Herbert Williams, Chemist, Hampstead.

MAG. sulph., Howard's med. crystals, cwt., unopened; 2 lb. potas. cyan., fused, 30 per cent. Offers, Bennett, Pharmacist, Cran-

PROPRIETARY ARTICLES.

VITAFER, perfect condition, 3 68., 2 38. 6d., 8 28., 24 18. 3d.; 32s. 6d. to clear, carriage paid. Heaths, Chemists, Nechells, Birmingham.

HOMMEL'S Hæmatogen (H Ring), new condition; 128. per doz.; unstamped; carriage forward. Holt Green & Co., South Kensington, London, S.W.

MISCELLANEOUS.

FOUR "C" sparklet syphons, new, 10s, carriage paid. Griffith, Chemist, Shepton Mallet.

OVERSTOCKED .- Wines, Fertona, Carvino, Hales, Peregrin water. 152/7, Office of this Paper.

WANDED.

WANTED, stone bottles, suitable rennet, furniture paste, etc. Morgan Davies, Pharmacy, Llanybyther.

DESK, typewriter, office furniture wanted in exchange for drugs, sundries. State requirements, 148/033, Office of this Paper.

GRINDING machines or mills (two) wanted, hand or power; one store end-runner preferred. State size and price, 153/23, Office of this Paper.

OPTICAL bocks; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

TWO National Cash Registers, total-adding, with autographic attachment and detail printer. Give full particulars and lowest price, 140/9, Office of this Paper.

Dose Tables for Students of Pharmacy.

NEW EDITION.

NEW EDITION.

A TWENTY-EIGHT page booklet showing the adult doses in ordinary eases of the principal medicinal agents. The new Edition includes the doses in Imperial and Metric terms side by side; also contains Metric equivalents for Dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (0=16 and H=1). The booklet measures 4½ in. by 2½ in., and can be carried in the vest pocket. To be obtained from "The Chomist and Oruggist," 42 Cannon Street, London, E.C., for FOUR PENNY STAMPS PER COPY.

Attempted Blackmail Charge.

The hearing of the charge against Hans Paul Studer on a charge of demanding 250*l.*, with menaces, from Mr. Fredk. Schutze, Black Bull Works, Caledonian Market, London, N. (see *C. & D.*, July 3, p. 36), was resumed by Mr. Graham Campbell at Bow Street Police Court, London, N. L. J. Therese a further than 100 per court, London, on July 7. There was a further charge against the prisoner of obtaining from the prosecutor two receipts by means of false pretences. Mr. Walter Frampton prosecuted; Mr. Huntley Jenkins appeared for the prisoner. At the previous hearing evidence of arrest was given. The prosecutor now stated that on May 31 the prisoner told him that a man in his employ had been robbing him for a long time past by selling goods to a firm in Aldersgate Street (Messrs. past by selling goods to a firm in Aldersgate Street (Messrs, Schimmer) and putting the money into his own pocket. Witness said that if that was so the man ought to be prosecuted, and asked the prisoner to go to Mr. Woods and ask his advice. The prisoner undertook to do so, and after being absent several hours said that Woods would make inquiries and interview a clerk formerly in Messrs. Schimmer's employ. He afterwards added that Messrs. Schimmer refused to give any information and that Wessls. Schimmer refused to give any information, and that Woods, although a Scotland Yard officer, could not demand it until certain formalities had been complied with. He said until certain formalities had been complied with. He said that Mr. Woods had entrusted him with certain documents connected with the case, and that he had them at home in a leather bag, but the bag was locked and he had not got the key. Witness said, "We will cut the bag open and I will buy a new bag." At luncheon time on the following day they both drove towards the prisoner's house in Lewisham Road, Highgate. The prisoner stopped the cab just before they got to the house and alighted. After a short absonce he returned to witness and said that Western cab just before they got to the house and alighted. After a short absence he returned to witness and said that Woods was at the house having luncheon. They therefore went back to the office. Subsequently the prisoner told witness that Woods wanted to see him. Witness said, "What does he want to see me about?" The prisoner replied, "About the money." Witness said, "Money for what?" "Those papers," replied the prisoner. Witness said, "How much does he want?" The prisoner replied, "Not less than 250/.; there are so many who want some of it."

Mr. Frampton: Did you express any opinion of Woods? The Witness: I am afraid I did. I said, "I think Woods is a scoundrel," and the prisoner said, "I am afraid he is."

Proceeding with his evidence, the prosecutor said he told the prisoner that in his opinion the best thing for him to do would be to take possession of the papers. That evening the prisoner and a Mr. McGregor went with witness to the prisoner's house. The door was locked, and the prisoner said he had no key. On the following morning the prisoner produced a number of documents in a tin deed-box. He said they were all that Woods would let him have. They said they were all that Woods would let him have. They included about eighty photographs of the firm's letters and invoices. The prisoner said Mr. Woods had the original invoices and the negatives of the photographs. He added that Woods wished to see witness. Witness told him that he did not wish to see Woods. All he wanted was to ensure the arrest of the man against whom the prisoner had made allegations, if there was any ground for those allegations. On June 3 the prisoner told witness he was going to leave his employment. Witness informed him that he had made inquiries and found that he was a scoundrel, and ordered him to leave the premises. He said he would and ordered him to leave the premises. He said he would not leave without his money, and witness told him it would be paid when it was due. He then called into the office the man against whom the prisoner had made allegations, and the prisoner said he had not made them. Giving evidence with regard to the charge of obtaining receipts by false pretences, the witness said that when the prisoner entered his service he deposited 1,000%, as security. Soon after the war broke out witness was absent from his business for some days owing to illness. On his return to the office the prisoner told him that, in order to expedite the delivery of goose-skins from a Mr. Chevalier in France. he had paid for them with his own cheque for 1,0007. He he had paid for them with his own cheque for 1,000%. He asked the witness to allow that amount to be invested in his business, together with a further sum of 500% which he said he had at his bank. Witness agreed, and left it to the prisoner to transfer the 500% to the firm's account. He gave the prisoner receipts for these two sums, and had since ascertained that he had not paid the 1,000% account, nor transferred the 500% to witness's bank.

In reply to Mr. Huntley Jenkins, the prosecutor stated that his firm is a limited liability company, and he and his wife held all the shares. No one else was either directly

or indirectly interested in it. Before the outbreak of the war he was doing a big trade, but not the bulk of it with Germany. He had known the prisoner since April The prisoner had invested 1,000%, only in the busi-

ness and 5 per cent. was paid on it.

At this point the hearing was adjourned until Thursday, July 8, when evidence was given by a Post-Office official as to telegrams, and by Robert Oliver, clerk at the Chancery Lane and Holborn branches of the London County and Westminster Bank, who said the prisoner opened an account there on May 8, 1912, with a cash payment of 2001. Two days afterwards 7871, 178, 4d. in Belgian frames was credited to the account. During the menth of May 1912 there were debits for the During the month of May 1912 there were debits for the purchase of stock amounting to over 900%. A, cheque for 1,000% in favour of Schutze & Co. was paid in September 1912, sufficient stock having been sold to meet it. The prisoner started the year 1914 with a bank balance of 10s.

Charles William McGregor, printer and stationer, Finchley Road, said he had known Mr. Schutze for many years. He was also well acquainted with the prisoner. He knew that for some time anonymous letters had been sent to Mr. Schutze. At the latter end of May witness had a conversation with the prisoner at the works. The prisoner said, "There is a lot of trouble going on here—underhand work." Witness said, "Have you any idea who is the cause of it?" The prisoner said, "I think — has something to do with it." Witness knew that he meant a packer employed by the firm, and said, "I don't think he has brains enough," The prisoner said, "He knows a few things and can get help from outside." He added, "It has cost me 60t, to pay Scotland Yard to keep certain matters quiet." He was also well acquainted with the prisoner. He knew matters quiet.'

Mrs. Schutze, the prosecutor's wife, also gave evidence. The prisoner was remanded until Monday. Mr. Huntley Jenkins, in applying for bail, pointed out that it was not suggested that the prisoner had obtained any money. The Magistrate said he would accept two sureties in 3007, each, with notice to the police.

College Notes.

NORTHERN COLLEGE OF PHARMACY.—At the terminal examinations recently held at this Manchester College the followaminations recently held at this Manchester College the following awards were made: Silver Medals: Chemistry, Mr. C. Spencer; Pharmacy, Mr. W. Spencer. Certificates: Practical Chemistry, Messrs. Bowden and Seel; Dispensing, Messrs. Travis, Hipkins, Davies, and Siddall; Chemistry, Messrs. W. Spencer, Rigby, Seel, and Knighton; Pharmacy, Messrs. Rigby, Seel, C. Spencer, and Knighton; Botany, Messrs. W. Spencer, Rigby, Knighton, C. Spencer, and Rayson Rawson.

LIVERPOOL SCHOOL OF PHARMACY.—The scholarships which were offered to part-time students of this school by the Principal (Mr. H. Humphreys-Jones, Ph.C., F.C.S.), entiting the winners to a full course of tuition for the Minor examination free of charge, have been awarded as follows: Tucsday Class, Mr. J. W. Edwards, Wrexham; Wednesday Class, Mr. Lester Turnpenny, Walton, Liverpool. The examinations were held in the school on June 23, the examiners being Mr. Harold Wyatt, Ph.C. (Chemistry and Pharmacy), and Mr. G. V. C. Last, Ph.C. (Botany and Materia Medica). The examiners, in their report, state that they were impressed by the high quality of the work

of some of the candidates.

LONDON COLLEGE OF PHARMACY.—The following awards were made at the college examinations recently concluded: Silver Medal for Highest Aggregate Marks, Mr. B. J. Silver Medal for Highest Aggregate Marks, Mr. B. J. Hughes, Chemistry: Branze Medal, Mr. A. Kilbey; Certificates, Messrs, B. J. Hughes, B. T. Davies, R. W. Wenmoth, E. Jones, W. E. M. Cook, O. L. Maund, S. Israel, P. C. Cumber, E. J. Cook, A. J. Packer, H. G. Fuller, R. Oxenham, and G. A. Lloyd, Botann: Bronze Medal, Mr. B. J. Hughes; Certificates, Messrs, R. W. Wenmoth, B. T. Davies, F. L. Oglesby, W. E. M. Cook, E. Jones, A. Kilbey, G. A. Lloyd, E. J. Cook, and N. V. Lockwood, Pharmacy: Bronze Medal, Mr. O. L. Maund; Certificates, Messrs, B. J. Hughes, B. T. Davies, R. W. Wenmoth, E. J. Cook, A. J. Packer, A. Kilbey, S. Israel, F. D. Allman, G. A. Lloyd, H. Fuller, and H. E. Chamberlain, Materia Medica: Bronze Medal, Mr. B. J. Hughes; Certificates, Messrs, B. T. Davies, P. C. Cumber, E. Jones, A. Kilbey, R. W. Wenmoth, G. A. Lloyd, C. F. X. Pinto, E. J. Cook, N. V. Lockwood, H. G. Fuller, A. J. Packer, J. T. Day, D. J. J. Evans, and H. E. Chamberlain. Evans, and H. E. Chamberlain.

P.A.T.A.

THE ANNUAL MEETING of the Proprietary Articles Trade Association, which was held on July 8 at the Salisbury Hotel, Salisbury Square, London, E.C., provoked more interest than it has done for years. There were about sixty members present. Mr. W. Edwards, the President, was supported by most of the Council, and the Secretary, Mr. W. S. Glyn-Jones, M.P., was on his right hand. The President, moving the adoption of the annual report (see C. & D., June 26, p. 51), said that although the year's working showed a steady advance in members, the Council is not satisfied with the number of retailers who belong to the Association, and is about to open a recruiting campaign among local Associations with the object of increasing the number of members. Mr. P. F. Rowsell seconded the adoption of the report and dwelt upon the necessity of more profit. The same reason for more profit also exists among the manufacturers, and he suggested that the manufacturer could meet the difficulty by raising the retail price of his commodity from, say, 2s. 3d. to 2s. 9d. Mr. Kutnow, referring to the last remark, said that he is selling his goods at less than cost, and if he made any change in price it would be to increase it to 3s. 6d. Mr. A. Higgs (Kingston) suggested that the opinion expressed by Sir Nathaniel Highmore that it is illegal to sell loose two powders from a stamped package should be considered by the Council as the protected list contains the suggestion that two powders may be sold. Mr. Vorley, as representing a section of manufacturers, was disappointed that no mention was made of the question which he had raised in a communication to the Council. He suggested that the manufacturers are insufficiently represented on the Council, secing that they contribute more money to the funds than the wholesalers and retailers put together. Mr. L. Cooper, as a manufacturer, defended the Council. He had always found it quite fair to all sections. Mr. Kutnow urged that there must be a give-and-take policy of all sections. He was unable to attend the private meeting of manufacturers which Mr. Vorley called as he felt he could not act in a dual capacity. Mr. J. P. Gilmour, referring to a letter from Mr. Vorley on behalf of Messrs. Gospell, objected to the suggestion that the retailers are indifferent to their goods. It is too much to expect the retailer to give preference to the goods of one manufacturer at the expense of other members of the P.A.T.A. Mr. Hearle asked to be informed of the steps that are being taken to increase the membership. Mr. Godby (Newton Chambers & Co.) said as he understood the objects of the Association it was to fix and maintain fair rates of profit, not to take the place of enterprise on the part of manufacturers. Mr. the place of enterprise on the part of manufacturers. Mr. Kirkpatrick also spoke, and Mr. Glyn-Jones, who replied, said he would look into the matter of the sale of two powders to which Mr. Higgs had alluded. The question of the sale of proprietary prescription ingredients advertised without price is being taken up by the Council. He also replied to Mr. Vorley's criticism of the constitution of the Council, and said the Association could not exist without it maintained its trinartite constitution. He without it maintained its tripartite constitution. He pointed out that the fact that of 365 manufacturers there were only 21 dissatisfied ones was the best proof that everything is being done to keep the balance between the parties. Mr. Kirkpatrick's resolution regarding the methods to be taken through local Associations to induce more manufacturers to protect the price of their goods was then taken. He impressed upon the meeting the importance of the movement, and that it is intended to use the local Associations Executive to carry the matter through. Mr. Milner (Greenwich) seconded. After discussion, the motion was passed. One by the Middlesex Association wanting 25 per cent profit on prophysical seconds. cent. profit on proprietaries was withdrawn, and thanks to officers concluded the proceedings.

A meeting of the C.D.A. followed, and was very short.

Our fuller reports are reserved.

Thursday, July 15.

London Golfing Society. Open meeting at Muswell Hill Golf Course. Thomson Cup (open to chemists only), 6 holes, medal play. Hill Cup. 18 holes, medal play. The first eighteen holes played count for the Hill Cup. Members intending to lunch at the Club House must notify Mr. G. F. Deeth, Hon. Secretary, 40 Cleveland Park Avenue, Walthamstow, N.E., on or before Monday, July 12.

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